



## PRODUCT LINEUP

# VRF

For LIGHT COMMERCIAL  
& RESIDENTIAL,  
COMMERCIAL



AIRSTAGE™ VRF Systems can be designed to create an air conditioning solution to suit most buildings requirements.

AIRSTAGE™ VRF Systems can be designed to effectively provide an air conditioning solution from a large domestic residence through to a large scale commercial building.



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FUJITSU GENERAL (Euro) GmbH participates in the ECP programme for AIR CONDITIONERS. Check ongoing validity of certificate: [www.eurovent-certification.com](http://www.eurovent-certification.com) \* Models so marked are not ECC certified.

# AIRSTAGE™ J-Series OVERVIEW

Fujitsu General provides air conditioning systems for a wide range of applications from small office buildings and hotels to large stores, houses.



## AIRSTAGE™ J-III L

J-III L is an outdoor unit with a slim design offering a high degree of freedom of installation that is recommended for mid-size office buildings and hotels. Furthermore, you can connect up to 40\* indoor units with newly added 14/16 HP model. 14/16 HP model is also ideal for hospitals and educational facilities with many rooms. (\*: 16 HP model)

### Slim Outdoor Unit

Although this is a 14/16 HP model that can handle slightly larger properties, it has a slim depth of 480 mm. This model can be introduced and installed even in limited spaces.

### Small room application

Up to 30-40 indoor units can be connected by the optimum heat exchanger structure. Available to various small rooms.

### Top Class Low Operating Sound

Top class low operating sound is realized. Highly suited to densely populated areas thanks to their low operating sound.

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## AIRSTAGE™ J-III

J-III improves the system with up to 13 indoor units. This model is suitable for small buildings that bring together small stores.

### High Energy Efficiency

Heat pump inverter control is used to achieve an efficient cooling and heating operation in any indoor unit combination.

### Flexible systems for small- and medium-size buildings air conditioning

Space saving design and long piping design allow for flexible installation on the roofs or balconies of small and medium-size buildings. Multiple indoor units of various capacities and types can be connected.

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## AIRSTAGE™ J-IIS

J-IIS has a compact design with a height of 998 mm that does not obstruct visibility even when installed near waist-high windows. This model is also ideal for large houses, retail stores and other properties.

### Space saving and low sound level design

Economical individual air conditioning is realized by ALL-DC technology, large capacity DC twin rotary compressor, and 3-row heat exchanger though the size is compact.

### Flexible systems for homes, shops, small-size buildings air conditioning

Due to compact size design and flexible piping design, J-IIS series can be installed easily at the place where the installation space is limited such as homes, shops, and small offices. Multiple indoor units of various capacities and types can be connected.

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# AIRSTAGE™ V-Series OVERVIEW

AIRSTAGE™ V-Series Systems can be designed to effectively provide an air conditioning solution from a large domestic residence through to a large scale commercial building.



## AIRSTAGE™ VR-II

Smart and cutting edge design. Extensive lineup from 8 HP to 48 HP in 2 HP increment. Connectable indoor unit capacity ratio up to 150%

### Simultaneous cooling and heating operation using 1 refrigerant system

Cooling and heating can be freely selected for each indoor unit to provide simultaneous cooling and heating in the rooms with large temperature differences, etc.

### Annual cooling operation

Use annual cooling operation for the rooms and other spaces that require constant temperature control throughout the year.

### Handles changes in the temperature difference

The operation mode can be freely changed when there are large temperature differences during the day, such as between seasons.

## AIRSTAGE™ V-III

Smart and cutting edge design. Extensive lineup from 8 HP to 54 HP in 2 HP increment. Connectable indoor unit capacity ratio up to 150%

### Excellent energy saving

Heat pump inverter type realizes the highly energy saving air conditioning for individual cooling and heating operation by all inverter technology for seasonal efficiency.

### High design flexibility for various building air conditioning

High design flexibly meets the various needs of high-rise building air conditioning such as outdoor unit roof top concentrated installation and each floor installation by large capacity combination, sufficient connection capacity, and high static pressure design.

### Easy installation and maintenance

The flexible communication method and piping connections make installation and maintenance easy even for large systems.

## AIRSTAGE™ V-III

Fujitsu General tropical VRF is designed for tropical weather. Extensive lineup from 8 HP to 54 HP in 2 HP increment. Connectable indoor unit capacity ratio up to 130%

### High ambient operation design

Possible to operate cooling up to 52°C outdoor temperature

### Powerful cooling capacity design

Keeping high cooling power at even high ambient temperature

### Anti-corrosion treatment design

All metallic and PCB components are protected against corrosion



Energy saving technology that boosted operation efficiency



### 1 Powerful large propeller fan

By using CFD<sup>\*1</sup> technology, a newly designed fan achieves high performance and low noise operation.

\*1. CFD = Computational Fluid Dynamics

### 2 3 phase DC fan motor

Efficiency is substantially improved by high efficient motor with sophisticated driver control. In addition, low noise is realized by DC fan motor.

### 3 Sine-wave DC inverter control

High efficiency is realized by adoption of reduced switching loss IPM.

### 4 4-face heat exchanger

Heat exchange efficiency is significantly improved by the introduction of a new 4-face heat exchanger that increases effective surface area.

### 5 Subcool heat exchanger

High Heat Exchange efficiency is achieved by using an internal projection shape double pipe construction.

### 6 High efficient and large capacity DC inverter compressor




























































































































Large capacity high efficient DC twin rotary compressor with excellent intermediate capability.

### 7 Front intake port (Corner cut air inlet structure)

In multiple outdoor unit installations, the unique front intake design improves airflow into the Heat Exchanger.



VRF Outdoor Units Lineup

Capacity (kW)		12.1	14.0	15.1-15.5	22.4	28.0	33.5	40.0	45.0	50.4	55.9	61.5	67.0	73.5	78.5	85.0	90.0	95.0	100.5	107.0	112.0	118.5	123.5	130.0	135.0	140.0	145.0	150.0	
HP		4	5	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	
J-IIIIL Series Page 150~																													
					AJY072 LELAH	AJY090 LELAH	AJY108 LELAH	AJY126 LELAH	AJY144 LELAH																				
J-III Series Page 154																													
		AJY040 LBLAH, AJY040 LELAH	AJY040 LBLAH, AJY040 LELAH	AJY054 LBLAH, AJY054 LELAH																									
J-IIS Series Page 156																													
		AJY040 LCLAH	AJY045 LCLAH	AJY054 LCLAH																									
VR-II Series Heat Recovery	Space Saving Page 158~																												
	Set Model				AJYA72 GALH	AJYA90 GALH	AJY108 GALH	AJY126 GALH	AJY144 GALH	AJY162 GALH	AJY180 GALH	AJY198 GALH	AJY216 GALH	AJY234 GALH		AJY252 GALH	AJY270 GALH	AJY288 GALH	AJY306 GALH	AJY324 GALH	AJY342 GALH	AJY360 GALH	AJY378 GALH	AJY396 GALH	AJY414 GALH	AJY432 GALH			
	Energy Efficiency Page 158~																												
	Set Model								AJY144 GALHH			AJY198 GALHH	AJY216 GALHH	AJY234 GALHH		AJY252 GALHH	AJY270 GALHH	AJY288 GALHH	AJY306 GALHH	AJY324 GALHH	AJY342 GALHH	AJY360 GALHH	AJY378 GALHH	AJY396 GALHH					
V-III Series Heat Pump	Space Saving Page 162~																												
	Set Model				AJY072 LALBH	AJY090 LALBH	AJY108 LALBH	AJY126 LALBH	AJY144 LALBH	AJY162 LALBH	AJY180 LALBH	AJY198 LALBH	AJY216 LALBH	AJY234 LALBH		AJY252 LALBH	AJY270 LALBH	AJY288 LALBH	AJY306 LALBH	AJY324 LALBH	AJY342 LALBH	AJY360 LALBH	AJY378 LALBH	AJY396 LALBH	AJY414 LALBH	AJY432 LALBH	AJY450 LALBH	AJY468 LALBH	AJY486 LALBH
	Energy Efficiency Page 162~																												
	Set Model								AJY144 LALBHH	AJY162 LALBHH	AJY180 LALBHH		AJY216 LALBHH	AJY234 LALBHH		AJY252 LALBHH	AJY270 LALBHH	AJY288 LALBHH	AJY306 LALBHH	AJY324 LALBHH	AJY342 LALBHH	AJY360 LALBHH	AJY378 LALBHH	AJY396 LALBHH	AJY414 LALBHH				
V-III Tropical Series Heat Pump	Space Saving Page 166~																												
	Set Model				AJY072 LNLBH	AJY090 LNLBH	AJY108 LNLBH	AJY126 LNLBH	AJY144 LNLBH	AJY162 LNLBH	AJY180 LNLBH	AJY198 LNLBH	AJY216 LNLBH	AJY234 LNLBH		AJY252 LNLBH	AJY270 LNLBH	AJY288 LNLBH	AJY306 LNLBH	AJY324 LNLBH	AJY342 LNLBH	AJY360 LNLBH	AJY378 LNLBH	AJY396 LNLBH	AJY414 LNLBH	AJY432 LNLBH	AJY450 LNLBH	AJY468 LNLBH	AJY486 LNLBH
	Energy Efficiency Page 166~																												
	Set Model								AJY144 LNLBHH	AJY162 LNLBHH	AJY180 LNLBHH		AJY216 LNLBHH	AJY234 LNLBHH		AJY252 LNLBHH	AJY270 LNLBHH	AJY288 LNLBHH	AJY306 LNLBHH	AJY324 LNLBHH	AJY342 LNLBHH	AJY360 LNLBHH	AJY378 LNLBHH	AJY396 LNLBHH	AJY414 LNLBHH				

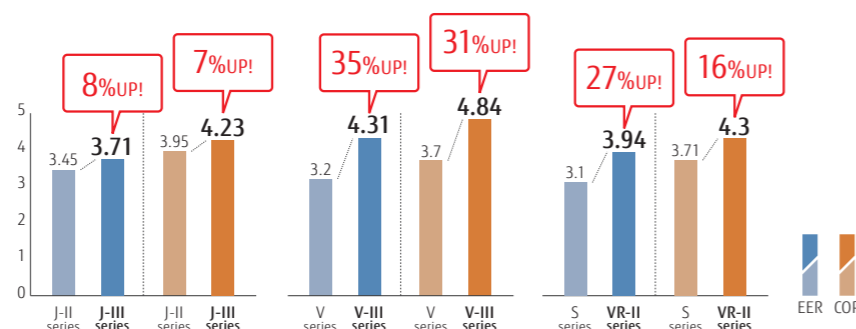


# CORE TECHNOLOGY

for AIRSTAGE™ J-Series & V-Series

## High Energy Efficiency

Efficiency is improved significantly by using DC twin rotary compressor, inverter technology, and large heat exchanger



Heat Pump (6 HP)



Heat Pump (8 HP)



Heat Recovery (10 HP)

## Energy Saving Function



### Economy operation

Economy operation can be set by remote controller. The temperature setting is offset automatically over a certain period of time.



### Room temperature set point limitation

The minimum and maximum temperature ranges can be limited, which provide further energy saving while maintaining the comfort of the occupants.



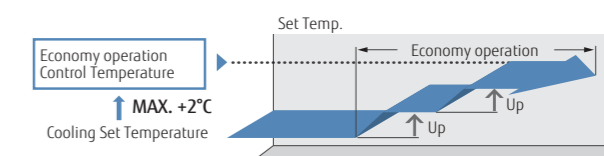
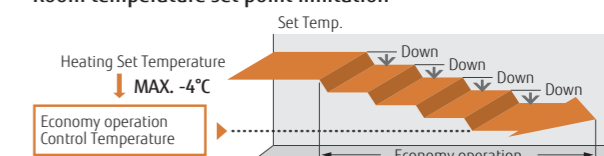
### Auto-off timer

- The indoor unit automatically is turned off when it reaches to the preset operating time frame.
- The time frame of the "Auto off timer" can be flexibly scheduled.

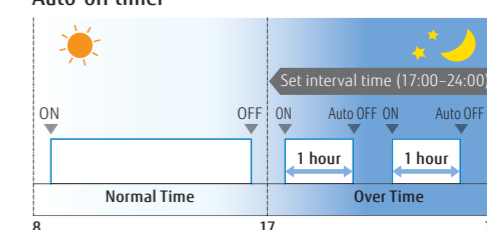
### Capacity save operation

Operation capacity can be set in 5 steps for rated capability. The power consumption at peak is cut down and the maximum load is suppressed.

### Room temperature set point limitation



### Auto-off timer



## High Efficiency Technology

### ALL DC High efficiency design with top class SEER/SCOP

All small VRF series including new J-III series have DC technology to realize the high efficiency operation. This enhances the durability and reliability of small VRF series.

### Low ambient operation

Refrigeration cycle technology allows cooling operation even at -15°C.



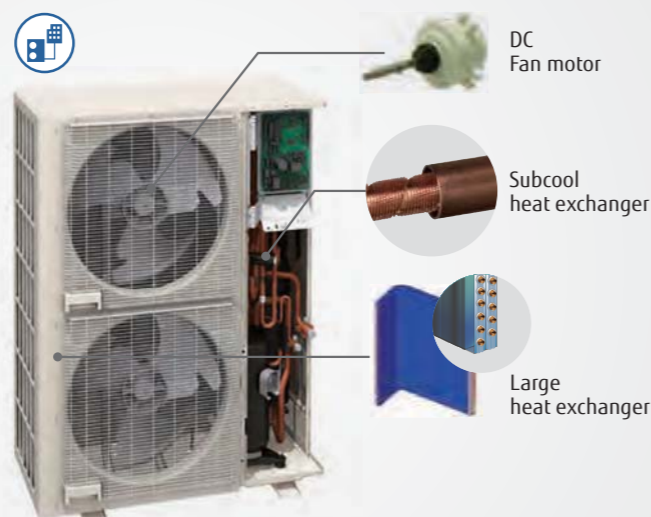
DC Fan motor



Subcool heat exchanger



Large heat exchanger



AIRSTAGE J-III

## More Comfort

### Precision refrigerant flow control

Precise and smooth refrigerant flow control is achieved by using a DC Inverter control in conjunction with individual indoor unit electronic expansion valve control. This allows high precision comfortable temperature control of  $\pm 0.5^\circ\text{C}$ .



### Auto changeover function

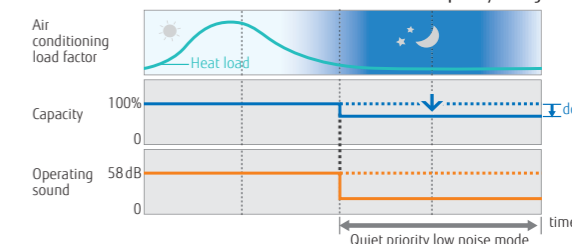
At Auto setting, the cooling/heating mode is automatically switched according to the set temperature and room temperature.



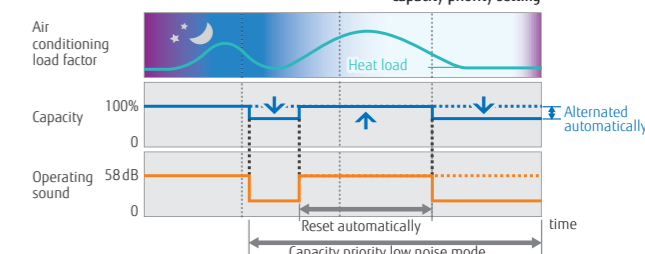
### Quiet operation

Two low noise modes can be selected automatically by quiet priority setting and capacity priority setting depending on the indoor environment and outside temperature load. This feature can be controlled via outdoor unit external input and/or system controller.

### Quiet priority setting



### Capacity priority setting





# Design Flexibility

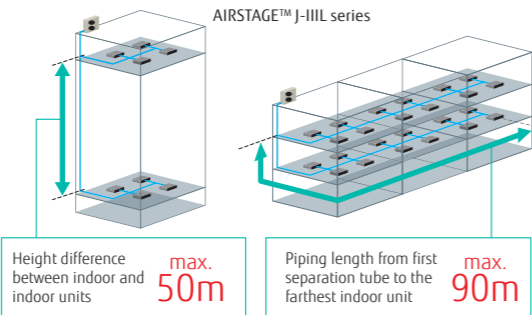
### Top class Compact design

Compact outdoor unit can be attained at the top class in the industry by optimal airflow structure design. (Up to 16 HP)



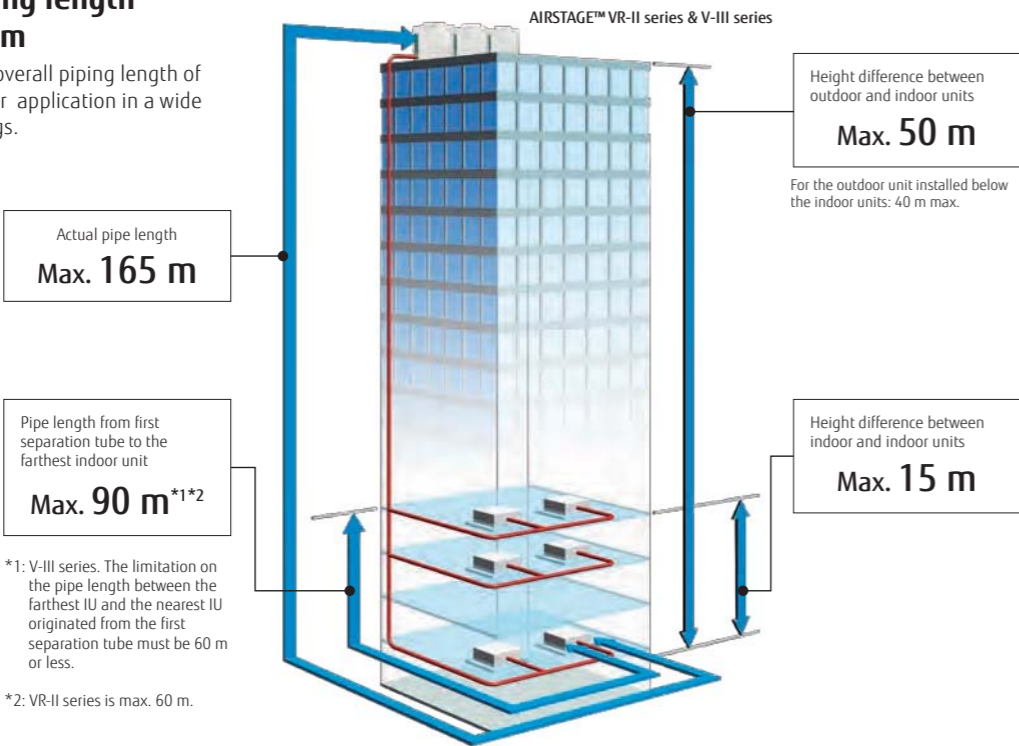
### Long piping design

Piping design suitable for long, narrow office buildings with a difference in height and low-rise shops with depth (AIRSTAGE™ J-IIIL series)



### Overall piping length Max. 1,000 m

World's top class overall piping length of 1,000 m allows for application in a wide variety of buildings.



## High capacity connection

Series		Connectable indoor unit capacity range	Connectable indoor unit number
	AIRSTAGE™ J-IIIL series 14/16 HP Heat Pump type	50% to 150%*3	up to 40
	AIRSTAGE™ J-IIIL series 8/10/12 HP Heat Pump type	50% to 150%*3	up to 30
	AIRSTAGE™ J-III series Heat Pump type	50% to 150%*3	up to 13
	AIRSTAGE™ J-IIS series Heat Pump type	50%*4 to 130%*3	up to 8
	AIRSTAGE™ VR-II series Heat Recovery Modular type	50% to 150%*3	up to 64
	AIRSTAGE™ V-III series Heat Pump Modular type	50% to 150%*5	up to 64

\*3: Conditions of maximum connectable indoor unit capacity ratio is as the chart above.

\*4: Only 4 HP is 46%

\*5: Max. capacities in the combinations including the 18 HP outdoor unit fall below 150%.

### Designed for low refrigerant charge

Optimal design of indoor unit and outdoor unit reduces the refrigerant volume and special support is not required even when installing in a small room of about 15 m².



### Various optional parts

- Intake fresh air with our Fresh Air Intake kit
- Comfortable temperature control with a remote sensor
- Operation by linking up to ventilation equipment and air handling unit with the DX-Kit

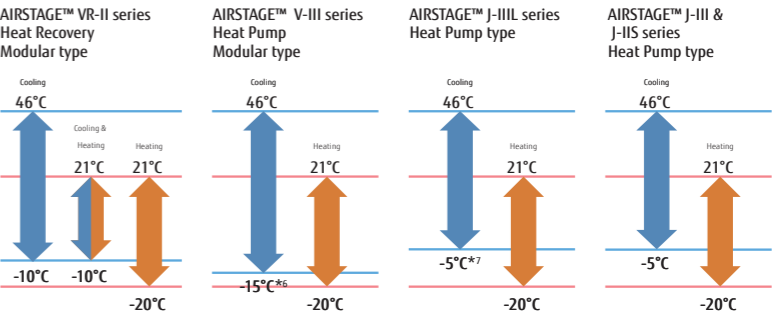


## Wide operating range

Installation in extreme temperature conditions is possible due to an increase in operational range.

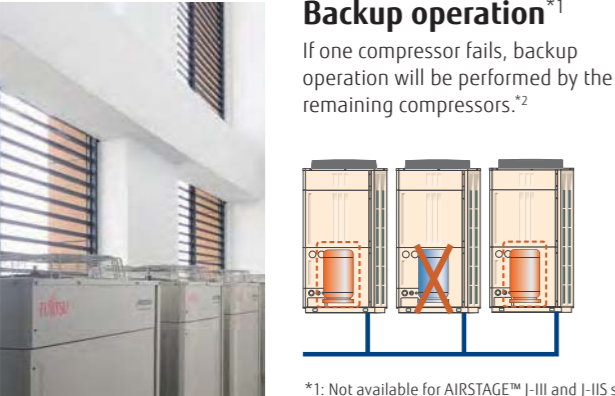
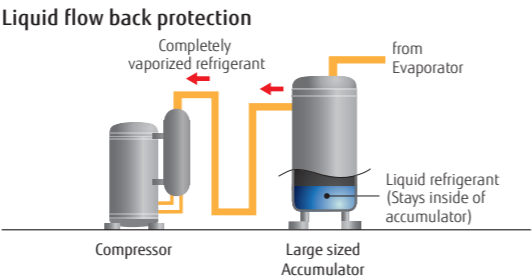
\*6: Note: When a multiple outdoor unit connection is used, operating range is from -5°C to 46°C in cooling.

\*7: Only when all indoor units are 5.6 kW or more in the system, the operation range is -15 to 46°C.

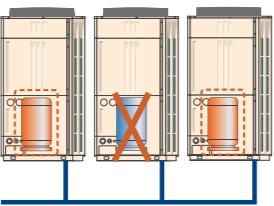


# High Reliability

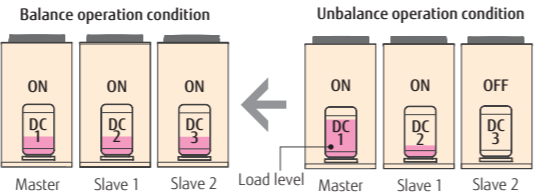
**Liquid flow back protection**  
By adopting a large sized accumulator, not completely vapourised refrigerant stays inside of the accumulator to ensure no liquid refrigerant is being fed into the compressor.



**Backup operation** \*1  
If one compressor fails, backup operation will be performed by the remaining compressors.\*2



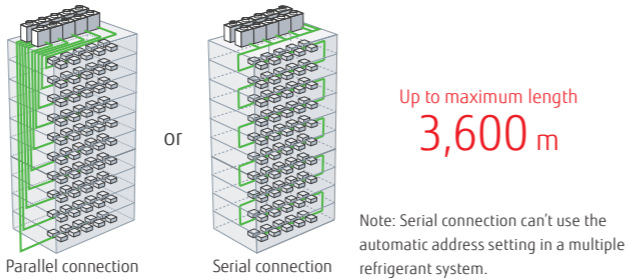
**Advanced refrigerant control** \*1  
Innovative compressor control logic has been introduced in order to balance the refrigerant mass flow rate of each outdoor unit by controlling the inverter speed.



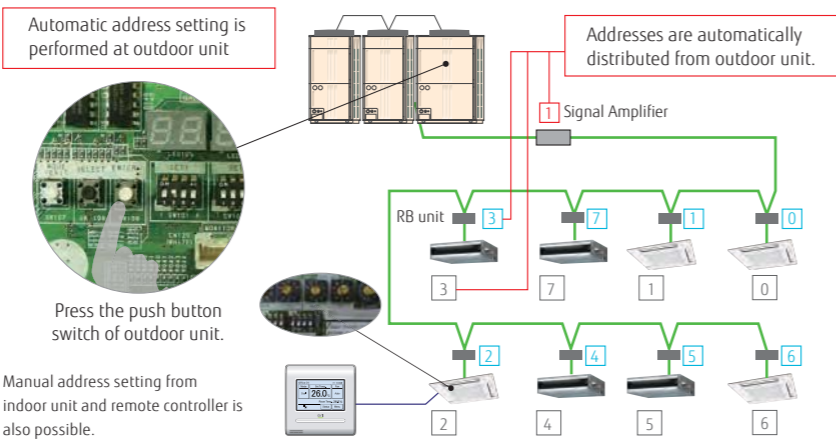
\*1: Not available for AIRSTAGE™ J-III and J-IIS series \*2: Note: Backup operation may not be possible depending on the trouble state.

# Easy Installation

**Simple wiring work**  
Installation of the wiring systems is made easier as the communication wiring can be installed continuously between the indoor, outdoor and RB units.

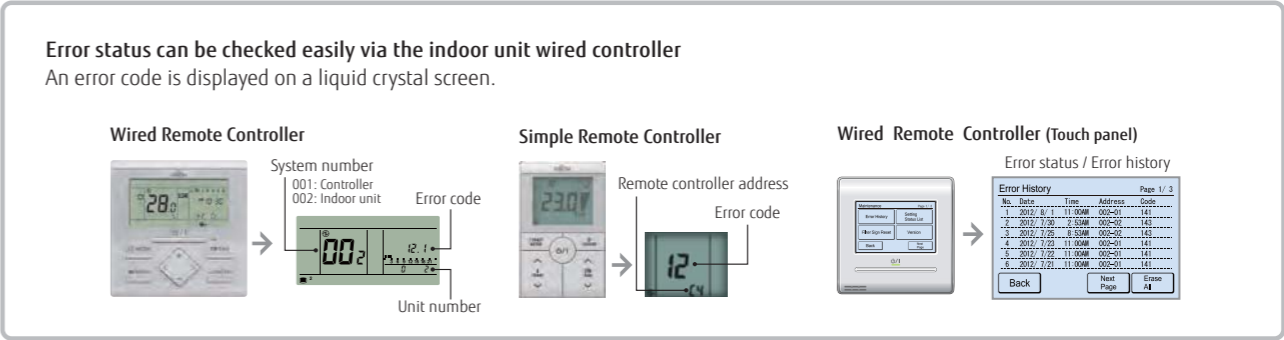
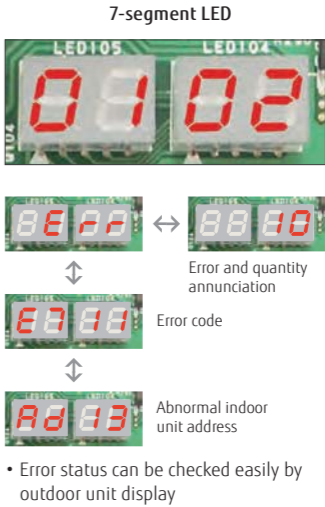


**Automatic address setting**  
The address of the indoor unit, RB unit and signal amplifier through the automatic function setting on the outdoor unit PCB.



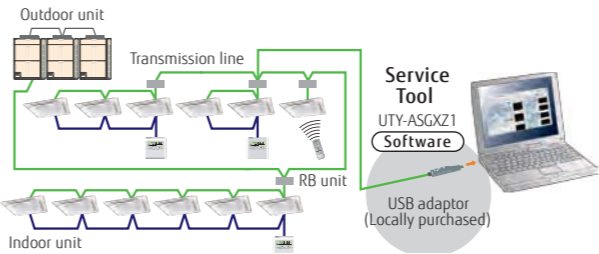
# Easy Service & Maintenance

**Design for easy maintenance**  
**Easy to read 7-segment LED :**  
Confirm detailed operational and error status without using any specific equipment.  
• Operation mode status  
• Discharge temperature/Pressure status  
• Compressor operation indication  
• Address/type/number of outdoor unit  
**Movable PCB panel:**  
Easier for maintenance work behind the PCB



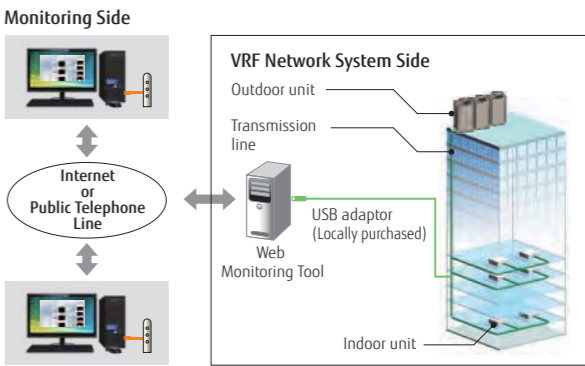
## Error diagnosis by Service Tool

**Connection to Service Tool**  
• Detail operation status and recent error history can be checked and analyzed by using the Service Tool.  
• Last 5 min. operation memory can be also be recorded.



## Remote monitoring

The Web Monitoring system allows you to view system operation anytime over the internet, ensuring issue free operation.  
The operating VRF network system in the building can be monitored real time over the Internet.





**AIRSTAGE™ J-III L**

**NEW** 14/16 HP models & 8/10/12 HP models

Fujitsu General provides perfect total air conditioning systems that take into account energy saving, low noise, comfortable airflow, small room application and centralized control for small-sized office buildings with many small rooms.

Image: 8/10/12 HP models

## Slim & Compact Design



## Inhouse installation



AIRSTAGE™ J-Series outdoor unit

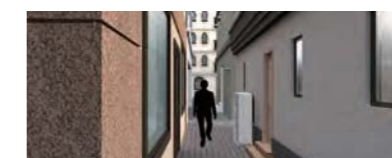


AIRSTAGE™ V-Series outdoor unit

### Low noise in consideration for the nearby residents

This model is front blow type and about 1000 mm wide, so flexible installation is possible even at narrow inhouse space.

## Installation at building back side



AIRSTAGE™ J-Series outdoor unit



AIRSTAGE™ V-Series outdoor unit

### Space saving

Due to compact and thin model, direct ground installation or wall mounted installation is possible even at narrow off-street.

## Installation at back street of building



AIRSTAGE™ J-Series outdoor unit



AIRSTAGE™ V-Series outdoor unit

### Flexible installation

This model is front blow type and slim & low body, so installation space is compact. Building windows are not blocked and space saving multiple units installation is possible.

NEW  
Heat Pump  
for Small Capacity Type

AIRSTAGE J-III L

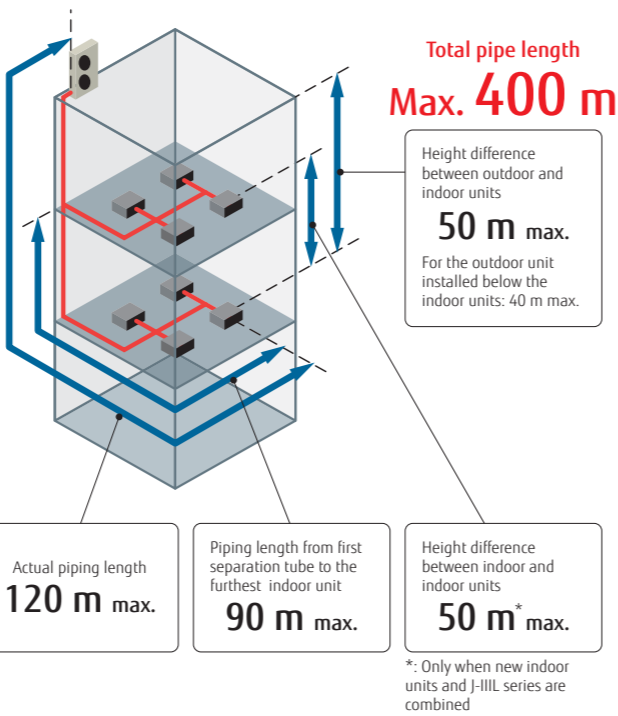
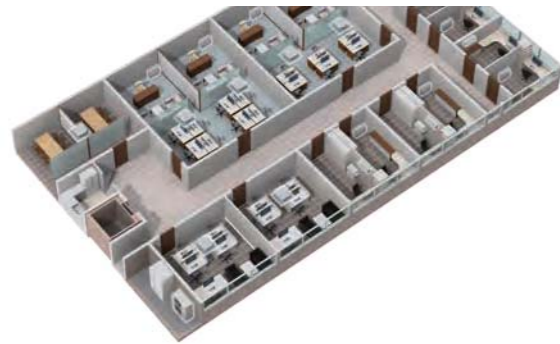


Long Piping Length

Our advanced refrigerant control technology allows us to achieve a total refrigerant piping length of 400 m. This opens up new possibilities in system design.

Up to 40 units\* can be connected

The combination of the smallest but adequate capacity indoor unit and a new outdoor unit with the optimum heat exchanger structure has realized the industry's top class connection of 40 units. \*: 16HP model



High Static Pressure

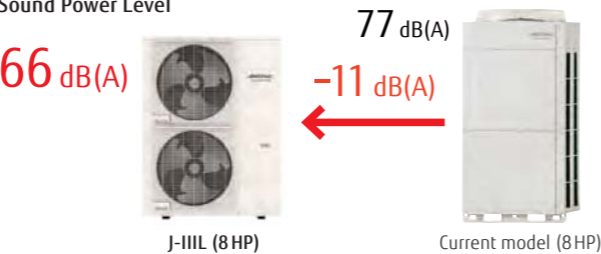
External static pressure is available up to 60Pa for 14/16HP. (20Pa for 8HP, 30Pa for 10/12HP)



Top Class Low Operating Sound

Top class low operating sound is realized. Highly suited to densely populated areas thanks to their low operating sound.

Sound Power Level



8,10,12HP: AJY072LELAH / AJY090LELAH / AJY108LELAH  
14,16HP: AJY126LELAH / AJY144LELAH



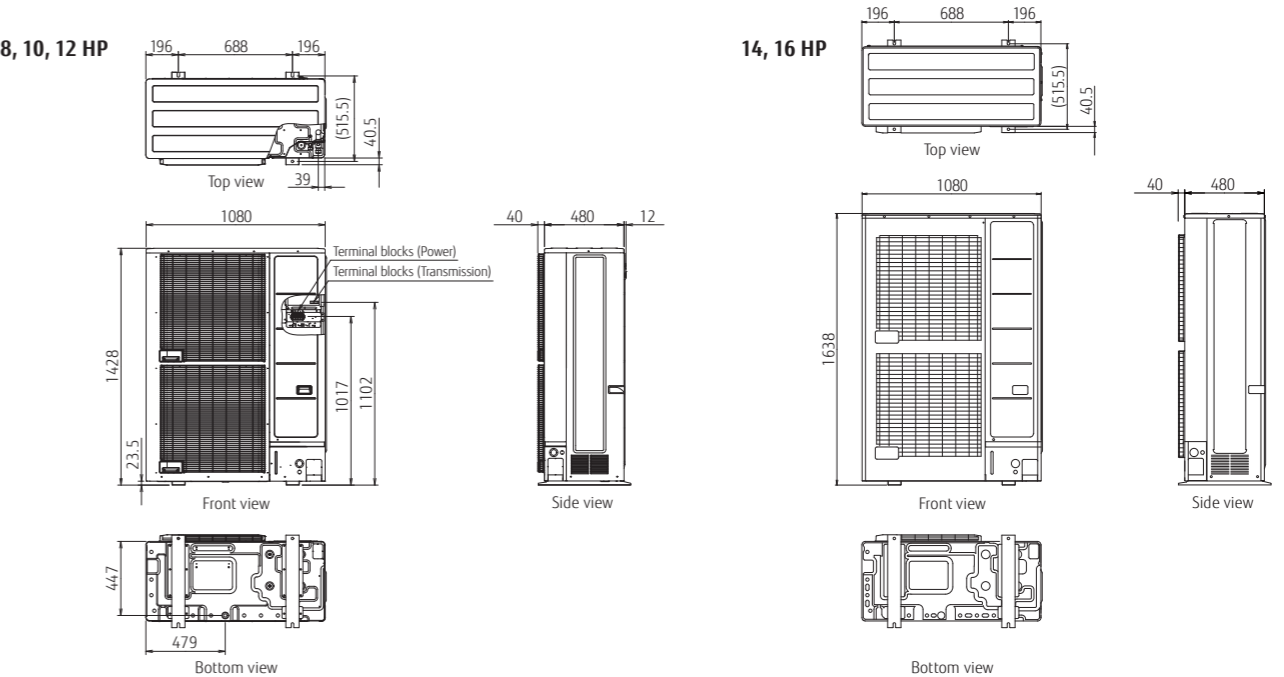
Specifications

Rating Capacity range	HP	8	10	12	14	16
Model name		AJY072LELAH	AJY090LELAH	AJY108LELAH	AJY126LELAH	AJY144LELAH
Maximum Connectable Indoor Unit		1-20	1-25	1-30	1-36	1-40
Power source		3 phase, ~400V, 50Hz				
Capacity	Cooling	kW	22.4	28.0	33.5	40.0
	Nominal Heating		22.4	28.0	33.5	40.0
	Max Heating		25.0	31.5	37.5	45.0
Input power	Cooling	kW	6.30	8.59	10.42	12.12
	Nominal Heating		4.65	6.61	8.18	9.71
	Max Heating		5.45	8.29	10.25	11.80
EER	Cooling	W/W	3.56	3.26	3.22	3.30
COP	Nominal Heating		4.82	4.24	4.10	4.12
	Max Heating		4.56	3.80	3.66	3.81
Airflow rate		m³/h	8,400	9,000	11,000	13,000
Sound pressure level / Power level	Cooling	dB(A)	52/66	54/69	59/73	62/75
	Heating		54/—	57/—	61/—	63/—
Net Dimensions	Height	mm	1,428	1,428	1,428	1,638
	Width		1,080	1,080	1,080	1,080
	Depth		480	480	480	480
Weight		kg	170	177	178	213
			170	177	178	213
Refrigerant	Type (Global Warming Potential)	kg(CO2eq-T)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge		7.0 (14.6)	7.5 (15.7)	7.5 (15.7)	11.0 (22.9)
	Liquid		9.52	9.52	12.70	12.70
Connection pipe diameter	Gas	mm	19.05	22.20	28.58	28.58
			19.05	22.20	28.58	28.58
Total pipe length		m	400	400	400	400
Max. height difference			50/40 (Outdoor unit: Upper/Lower)			
Operation range	Cooling	°C	-15 to 46	-15 to 46	-15 to 46	-5 to 46*
	Heating		-20 to 21	-20 to 21	-20 to 21	-20 to 21

Note: Specifications are based on the following conditions.  
Cooling: Indoor temperature of 27°CDB / 19°CWB, and outdoor temperature of 35°CDB / 24°CWB.  
Heating: Indoor temperature of 20°CDB / (15°CWB), and outdoor temperature of 7°CDB / 6°CWB.  
Pipe length: 7.5 m; Height difference between outdoor unit and indoor unit: 0 m.  
\* The cooling operation range of -15 to 46°C is allowed only when all of the indoor units connected to the system are higher than capacity of 5.6kW.

Dimensions

(Unit : mm)

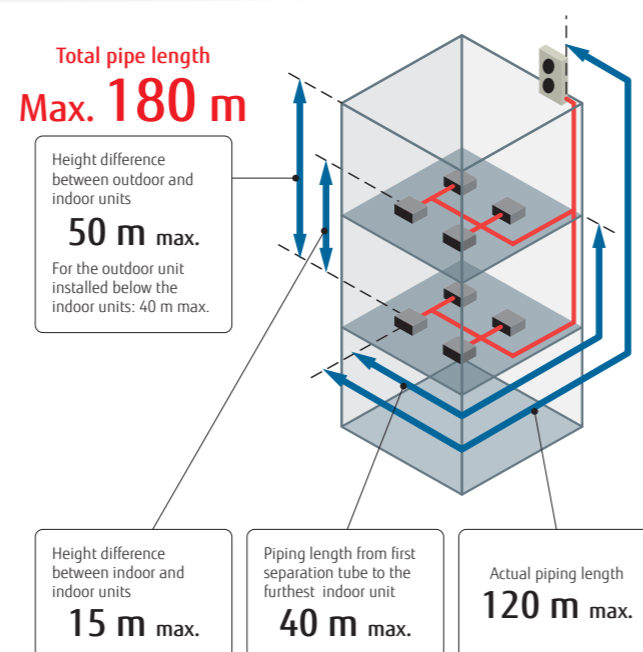


## Heat Pump for Small Capacity Type



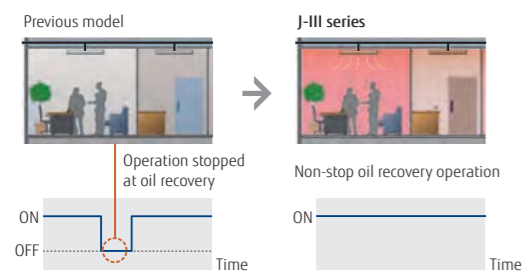
## Long Piping Length

Our advanced refrigerant control technology allows us to achieve a total refrigerant piping length of 180 m. This opens up new possibilities in system design.



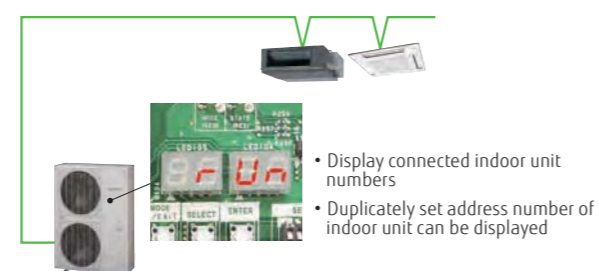
## Non-stop oil recovery operation

A comfortable room condition is maintained during oil recovery mode because the product continues to operate without stopping the cooling or heating operation.



## Easier Installation

**Connection check function** : Possible to confirm whether wiring connection and address setting are correct by a quick check run function.



4,5,6HP : AJY040LBLAH / AJY045LBLAH / AJY054LBLAH  
AJY040LELAH [3phase] / AJY045LELAH [3phase] / AJY054LELAH [3phase]



## Specifications

Rating Capacity range		HP	4	5	6	4	5	6
Model name			AJY040LBLAH	AJY045LBLAH	AJY054LBLAH	AJY040LELAH	AJY045LELAH	AJY054LELAH
Maximum Connectable Indoor Unit			1-9	1-10	1-13	1-9	1-10	1-13
Power source			Single-phase, ~230V, 50Hz			3-phase, ~400V, 50Hz		
Capacity	Cooling	kW	12.1	14.0	15.5	12.1	14.0	15.5
	Heating		13.6	16.0	18.0	13.6	16.0	18.0
Input power	Cooling	kW	2.90	3.57	4.18	2.79	3.46	3.99
	Heating		2.80	3.55	4.26	2.71	3.40	4.08
EER	Cooling	W/W	4.17	3.92	3.71	4.33	4.05	3.88
COP	Heating	W/W	4.86	4.51	4.23	5.01	4.70	4.41
Airflow rate		m³/h	6,200	6,400	6,900	6,200	6,400	6,900
Sound pressure level / Power level	Cooling	dB(A)	50 / 66	51 / 67	53 / 69	50 / 66	51 / 67	53 / 69
	Heating		52 / 68	53 / 69	55 / 71	52 / 68	53 / 69	55 / 71
Heat exchanger fin			Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin
Net Dimensions	Height	mm	1,334	1,334	1,334	1,334	1,334	1,334
	Width		970	970	970	970	970	970
	Depth		370	370	370	370	370	370
Weight		kg	117	117	119	119	119	119
Refrigerant	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge	kg (CO2eq-T)	4.8 (10.0)	5.3 (11.1)	5.3 (11.1)	4.8 (10.0)	5.3 (11.1)	5.3 (11.1)
Connection pipe diameter	Liquid	mm	9.52	9.52	9.52	9.52	9.52	9.52
	Gas		15.88	15.88	19.05	15.88	15.88	19.05
Total pipe length		m	180	180	180	180	180	180
Max. height difference			50/40 (Outdoor unit: Upper/Lower)			50/40 (Outdoor unit: Upper/Lower)		
Operation range	Cooling	°C	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46
	Heating		-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21

Note: Specifications are based on the following conditions.

Cooling: Indoor temperature of 27°CDB/19°CWB, and outdoor temperature of 35°CDB/24°CWB.

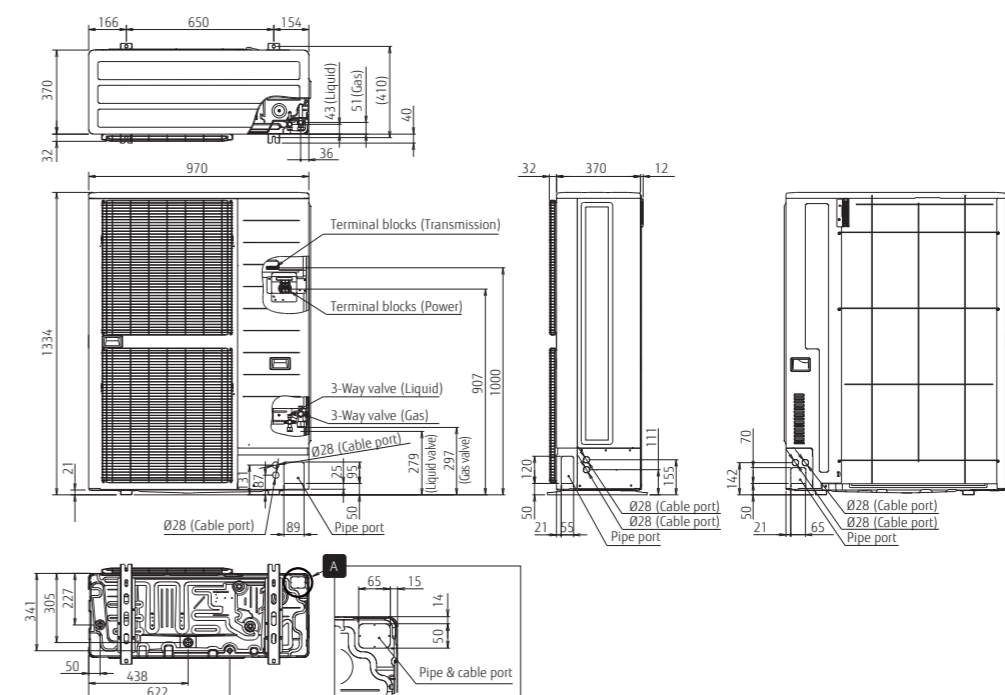
Heating: Indoor temperature of 20°CDB/(15°CWB), and outdoor temperature of 7°CDB/6°CWB.

Pipe length: 7.5 m; Height difference between outdoor unit and indoor unit: 0 m.

The protective function may work when using it outside the operation range.

### Dimensions

(Unit : mm)



## Heat Pump for Small Capacity Type



## Long piping length

Our advanced refrigerant control technology allows us to achieve a total refrigerant piping length of 80 m. This opens up new possibilities in system design.



Total pipe length  
Max. **80 m**

Height difference  
between outdoor and  
indoor units  
**30 m max.**

Actual piping length  
**50 m** max.

Piping length from first separation tube to the furthest indoor unit

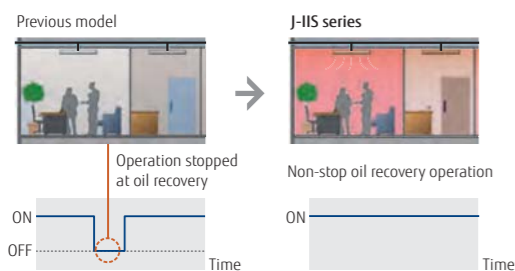
**40 m max.**

Height difference  
between indoor and  
indoor units

**15 m** max.

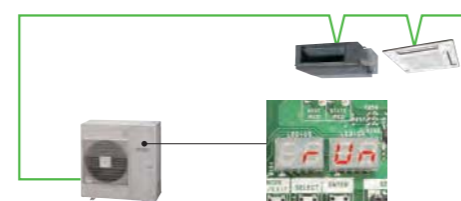
## Non-stop oil recovery operation

A comfortable room condition is maintained during oil recovery mode because the product continues to operate without stopping the cooling or heating operation.



## Easier Installation

**Connection check function :** Possible to confirm whether wiring connection and address setting are correct by a quick check run function.



- Display connected indoor unit numbers
- Duplicately set address number of indoor unit can be displayed

**4,5,6HP : AJY040LCLAH / AJY045LCLAH / AJY054LCLAH**



## Specifications

Rating Capacity range		HP	4	5	6
Model name			AJY040CLAH	AJY045CLAH	AJY054CLAH
Maximum Connectable Indoor Unit			7	8	8
Power source			Single-phase, ~230V, 50Hz		
Capacity	Cooling	kW	12.1	14.0	15.1
	Heating		13.6	16.0	16.5
Input power	Cooling	kW	3.44	4.43	5.03
	Heating		3.09	3.93	4.11
EER	Cooling	W/W	3.52	3.16	3.00
COP	Heating	W/W	4.40	4.07	4.01
Airflow rate		m³/h	4,040	4,200	4,200
Sound pressure level / Power level	Cooling	dB(A)	51 / 67	53 / 69	54 / 70
	Heating		54 / 68	55 / 69	56 / 70
Heat exchanger fin			Blue fin	Blue fin	Blue fin
Net Dimensions	Height	mm	998	998	998
	Width		970	970	970
	Depth		370	370	370
Weight		kg	86	86	87
Refrigerant	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge	kg(CO2eq-T)	4.0 (8.4)	4.0 (8.4)	4.0 (8.4)
Connection pipe diameter	Liquid	mm	9.52	9.52	9.52
	Gas		15.88	15.88	15.88
Total pipe length		m	80	80	80
Max. height difference			30	30	30
Operation range	Cooling	℃	-5 to 46	-5 to 46	-5 to 46
	Heating		-20 to 21	-20 to 21	-20 to 21

Note : Specifications are based on the following conditions.

Cooling : Indoor temperature of 27°CDB / 19°CWB, and outdoor temperature of 35°CDB / 24°CWB.

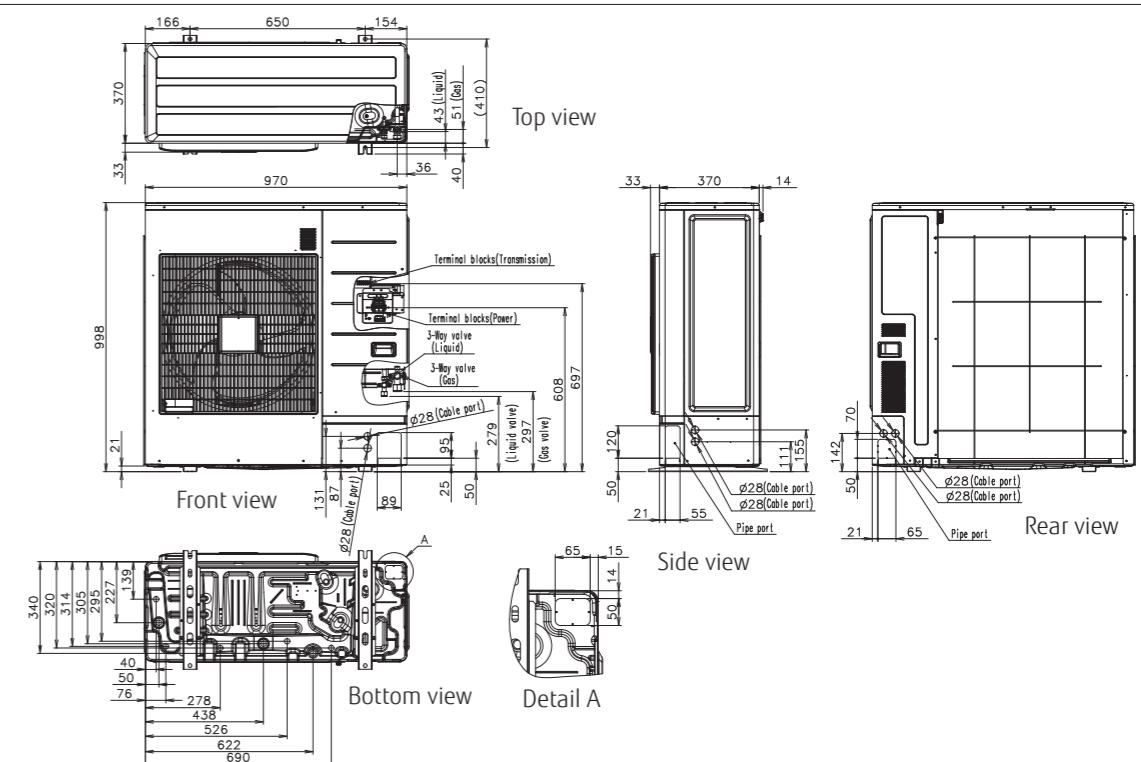
Heating : Indoor temperature of 20°CDB / (15°CWB), and outdoor temperature of 7°CDB / 6°CWB.

Pipe length : 7.5 m; Height difference between outdoor unit and indoor unit : 0 m.

The protective function may work when using it outside the operation range.

## Dimensions

(Unit : mm)

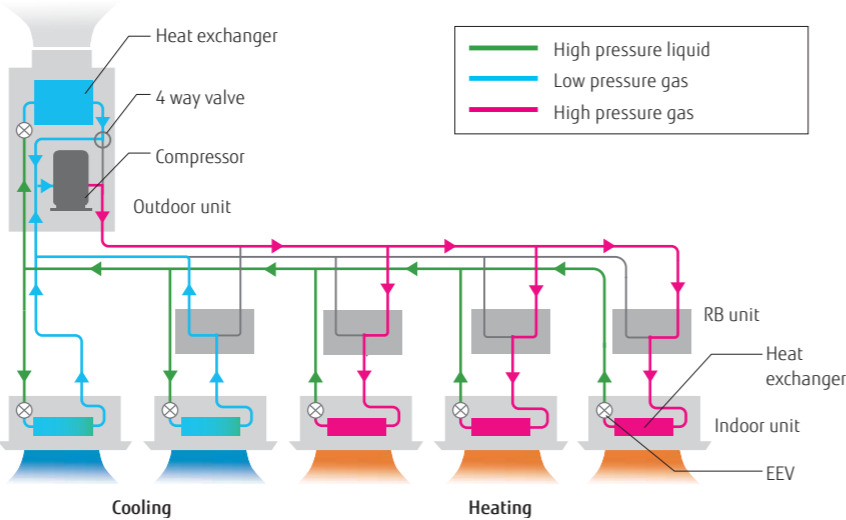


# Heat Recovery Modular Type

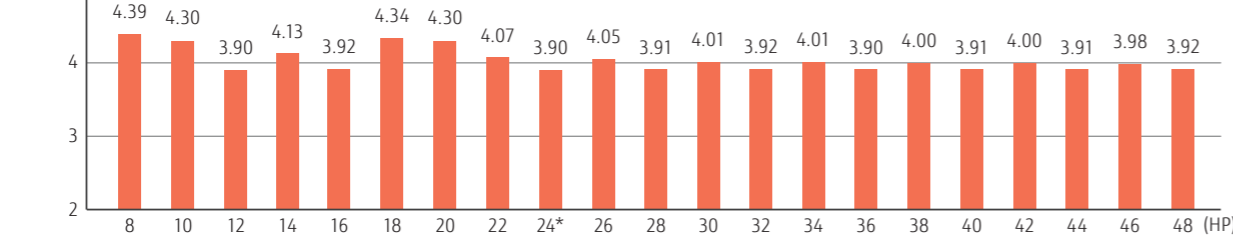
AIRSTAGE™ VR-II

## High Operating Energy Efficiency

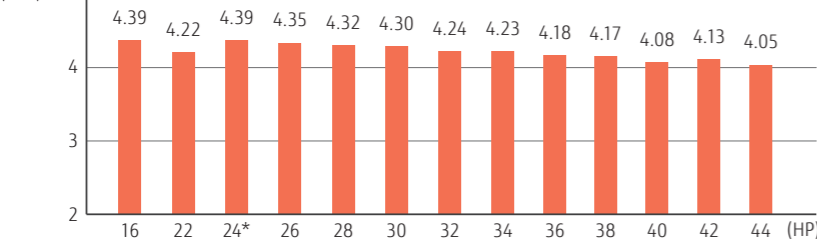
Our Heat recovery systems achieve high operating energy efficiency by drawing heat from the room to be cooled and transferring it as energy for rooms that are to be heated.



Space saving combination (COP)



Energy efficiency combination (COP)



For 24HP Combination



8,10,12HP : AJYA72GALH / AJYA90GALH / AJY108GALH  
14,16HP : AJY126GALH / AJY144GALH



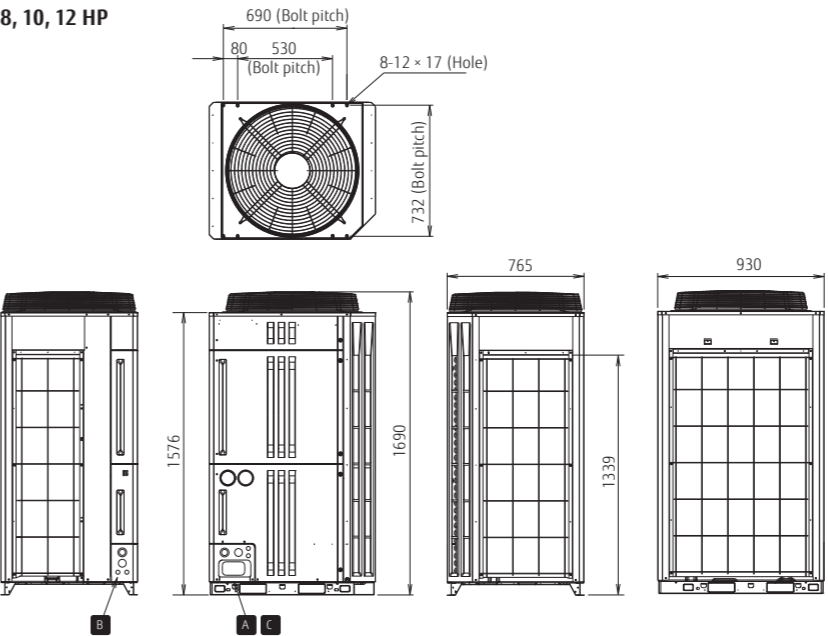
8, 10, 12 HP

14, 16 HP

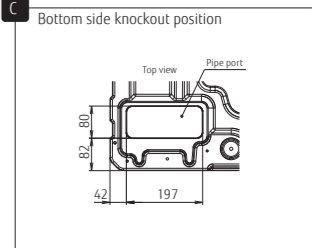
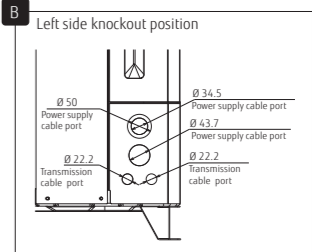
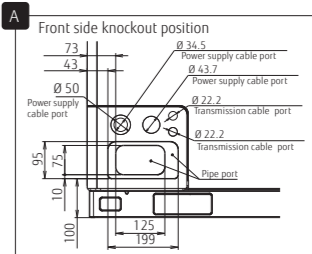
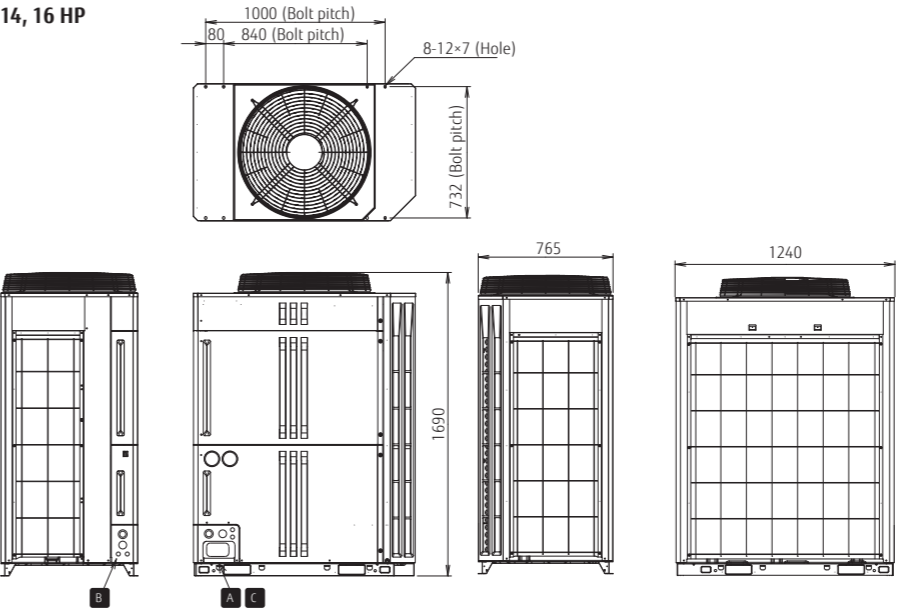
## Dimensions

(Unit : mm)

### 8, 10, 12 HP











### 14, 16 HP









Outdoor units specifications

Space Saving Combination

Rating Capacity range		HP	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	
																								
Set Model name			AJYA72GALH	AJYA90GALH	AJY108GALH	AJY126GALH	AJY144GALH	AJY162GALH	AJY180GALH	AJY198GALH	AJY216GALH	AJY234GALH	AJY252GALH	AJY270GALH	AJY288GALH	AJY306GALH	AJY324GALH	AJY342GALH	AJY360GALH	AJY378GALH	AJY396GALH	AJY414GALH	AJY432GALH	
Unit 1 Unit 2 Unit 3			AJYA72GALH	AJYA90GALH	AJY108GALH	AJY126GALH	AJY144GALH	AJYA90GALH AJYA72GALH	AJYA90GALH AJYA90GALH	AJY108GALH AJYA90GALH	AJY108GALH AJY108GALH	AJY144GALH AJYA90GALH	AJY144GALH AJY108GALH	AJY144GALH AJY126GALH	AJY108GALH AJY108GALH AJYA90GALH	AJY108GALH AJY108GALH AJY108GALH	AJY144GALH AJY144GALH AJYA90GALH	AJY108GALH AJY108GALH AJY108GALH	AJY144GALH AJY144GALH AJYA90GALH	AJY144GALH AJY144GALH AJY108GALH	AJY144GALH AJY144GALH AJY108GALH	AJY144GALH AJY144GALH AJY126GALH	AJY144GALH AJY144GALH AJY144GALH	
Maximum Connectable Indoor Unit*1			15	16	17	21	24	27	30	32	35	39	42	45	48	50	53	57	60	63	64	64	64	
Indoor unit connectable capacity			kW	11.2-33.6	14.0-42.0	16.8-50.2	20.0-60.0	22.5-67.5	25.2-75.6	28.0-84.0	30.8-92.2	33.5-100.5	36.5-109.5	39.3-117.7	42.5-127.5	45.0-135.0	47.5-142.5	50.3-150.7	53.3-159.7	56.0-168.0	59.0-177.0	61.8-185.2	65.0-195.0	67.5-202.5
Power source			3-phase 4 wire , 400 V, 50Hz												3-phase 4 wire , 400 V, 50Hz									
Capacity	Cooling	kW	22.4	28.0	33.5	40.0	45.0	50.4	56.0	61.5	67.0	73.0	78.5	85.0	90.0	95.0	100.5	106.5	112.0	118.0	123.5	130.0	135.0	
	Heating		25.0	31.5	37.5	45.0	50.0	56.5	63.0	69.0	75.0	81.5	87.5	95.0	100.0	106.5	112.5	119.0	125.0	131.5	137.5	145.0	150.0	
Input power	Cooling	kW	5.45	7.11	9.75	11.34	13.61	12.56	14.22	16.86	19.50	20.72	23.36	24.95	27.22	26.61	29.25	30.47	33.11	34.33	36.97	38.56	40.83	
	Heating		5.70	7.33	9.62	10.90	12.77	13.03	14.66	16.95	19.24	20.10	22.39	23.67	25.54	26.57	28.86	29.72	32.01	32.87	35.16	36.44	38.31	
EER	Cooling	W/W	4.11	3.94	3.44	3.53	3.31	4.01	3.94	3.65	3.44	3.52	3.36	3.41	3.31	3.57	3.44	3.50	3.38	3.44	3.34	3.37	3.31	
COP	Heating	W/W	4.39	4.30	3.90	4.13	3.92	4.34	4.30	4.07	3.90	4.05	3.91	4.01	3.92	4.01	3.90	4.00	3.91	4.00	3.91	3.98	3.92	
Airflow rate		m³/h	11,100	11,100	11,100	13,000	13,000	11,100×2	11,100×2	11,100×2	11,100×2	13,000+11,100	13,000+11,100	13,000×2	13,000×2	11,100×3	11,100×3	13,000+11,100×2	13,000+11,100×2	13,000×2+11,100	13,000×2+11,100	13,000×3	13,000×3	
Sound pressure level*2/ Power level	Cooling	dB(A)	56 / 77	58 / 79	59 / 80	60 / 81	61 / 82	60 / 81	61 / 82	62 / 83	62 / 83	63 / 84	63 / 84	64 / 84.5	64 / 85	63 / 85	64 / 85	64 / 85	65 / 85.5	65 / 86	65 / 86	65 / 86	66 / 87	
	Heating		58 / 80	59 / 81	61 / 83	61 / 83	61 / 83	62 / 84	62 / 84	63 / 85	64 / 86	63 / 85	64 / 86	64 / 86	64 / 86	65 / 87.2	65 / 87	66 / 87.7	66 / 87.7	65 / 87	66 / 88	66 / 88	66 / 88	
Maximum external static pressure		Pa	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	
Compressor motor output		kW	7.5	7.5	7.5	11.0	11.0	7.5×2	7.5×2	7.5×2	7.5×2	11.0+7.5	11.0+7.5	11.0×2	11.0×2	7.5×3	7.5×3	11.0+7.5×2	11.0+7.5×2	11.0×2+7.5	11.0×2+7.5	11.0×3	11.0×3	
Heat exchanger fin			Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	
Net Dimensions	Height	mm	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	
	Width		930	930	930	1,240	1,240	930×2	930×2	930×2	930×2	1,240+930	1,240+930	1,240×2	1,240×2	930×3	930×3	1,240+930×2	1,240+930×2	1,240×2+930	1,240×2+930	1,240×3	1,240×3	
	Depth		765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	
Weight		kg	262	262	262	286	286	262×2	262×2	262×2	262×2	286+262	286+262	286×2	286×2	286×3	286×3	286+262×2	286+262×2	286×2+262	286×2+262	286×3	286×3	
Refrigerant	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	
	Charge	kg(CO2eq-T)	11.8 (24.6)	11.8 (24.6)	11.8 (24.6)	11.8 (24.6)	11.8 (24.6)	11.8×2 (24.6×2)	11.8×2 (24.6×2)	11.8×2 (24.6×2)	11.8×2 (24.6×2)	11.8×2 (24.6×2)	11.8×2 (24.6×2)	11.8×2 (24.6×2)	11.8×3 (24.6×3)	11.8×3 (24.6×3)	11.8×3 (24.6×3)	11.8×3 (24.6×3)	11.8×3 (24.6×3)	11.8×3 (24.6×3)	11.8×3 (24.6×3)	11.8×3 (24.6×3)	11.8×3 (24.6×3)	
Connection pipe diameter	Liquid	mm	12.70	12.70	12.70	12.70	12.70	15.88	15.88	15.88	15.88	15.88	15.88	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	
	Discharge Gas		15.88	19.05	19.05	22.22	22.22	22.22	22.22	28.58	28.58	28.58	28.58	28.58	28.58	28.58	28.58	34.92	34.92	34.92	34.92	34.92	34.92	
	Suction Gas		22.22	22.22	28.58	28.58	28.58	28.58	28.58	34.92	34.92	34.92	34.92	34.92	34.92	41.27	41.27	41.27	41.27	41.27	41.27	41.27	41.27	
Operation range	Cooling	°CDB	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	
	Heating		-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	
	Cooling/Heating		-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	

Energy Efficiency Combination

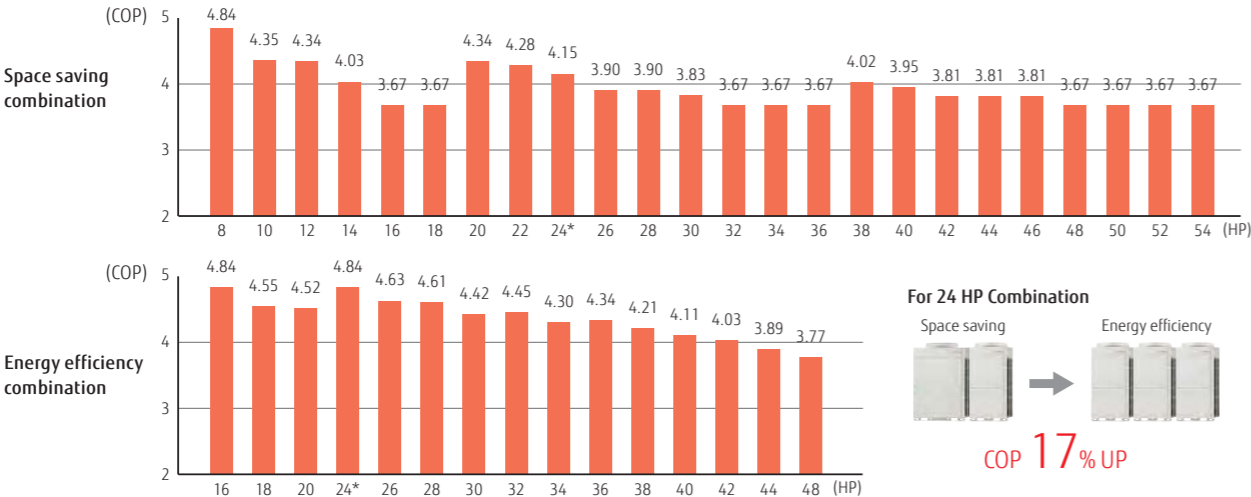
Rating Capacity range		HP	16	22	24	26	28	30	32	34	36	38	40	42	44	
																
Set Model name			AJY144GALHH	AJY198GALHH	AJY216GALHH	AJY234GALHH	AJY252GALHH	AJY270GALHH	AJY288GALHH	AJY306GALHH	AJY324GALHH	AJY342GALHH	AJY360GALHH	AJY378GALHH	AJY396GALHH	
Unit 1 Unit 2 Unit 3			AJYA72GALH AJYA72GALH	AJY126GALH AJYA72GALH	AJYA72GALH AJYA72GALH AJYA72GALH	AJYA90GALH AJYA72GALH AJYA72GALH	AJYA90GALH AJYA90GALH AJYA72GALH	AJYA90GALH AJYA90GALH AJYA90GALH	AJY126GALH AJYA90GALH AJYA72GALH	AJY126GALH AJYA90GALH AJYA90GALH	AJY126GALH AJY126GALH AJYA72GALH	AJY126GALH AJY126GALH AJYA90GALH	AJY144GALH AJY126GALH AJYA90GALH	AJY126GALH AJY126GALH AJY126GALH	AJY144GALH AJY126GALH AJY126GALH	
Maximum Connectable Indoor Unit*1			24	33	36	39	42	45	48	51	54	57	60	64	64	
Indoor unit connectable capacity		kW	22.4-67.2	31.2-93.6	33.6-100.8	36.4-109.2	39.2-117.6	42.0-126.0	45.2-135.6	48.0-144.0	51.2-153.6	54.0-162.0	56.5-169.5	60.0-180.0	62.5-187.5	
Power source			3-phase 4 wire , 400 V, 50Hz												3-phase 4 wire , 400 V, 50Hz	
Capacity	Cooling	kW	44.8	62.4	67.2	72.8	78.4	84.0	90.4	96.0	102.4	108.0	113.0	120.0	125.0	
	Heating		50.0	70.0	75.0	81.5	88.0	94.5	101.5	108.0	115.0	121.5	126.5	135.0	140.0	
Input power	Cooling	kW	10.90	16.79	16.35	18.01	19.67	21.33	23.90	25.56	28.13	29.79	32.06	34.02	36.29	
	Heating		11.40	16.60	17.10	18.73	20.36	21.99	23.93	25.56	27.50	29.13	31.00	32.70	34.57	
EER	Cooling	W/W	4.11	3.72	4.11	4.04	3.99	3.94	3.78	3.76	3.64	3.63	3.52	3.53	3.44	
COP	Heating	W/W	4.39	4.22	4.39	4.35	4.32	4.30	4.24	4.23	4.18	4.17	4.08	4.13	4.05	
Airflow rate		m³/h	11,100×2	13,000+11,100	11,100×3	11,100×3	11,100×3	11,100×3	13,000+11,100×2	13,000+11,100×2	13,000×2+11,100	13,000×2+11,100	13,000×2+11,100	13,000×3	13,000×3	
Sound pressure level*2/ Power level	Cooling	dB(A)	59 / 80	61 / 82	61 / 82	62 / 83	62 / 83	63 / 84	63 / 84	64 / 85	64 / 85	64 / 86	65 / 86	65 / 86	65 / 86	
	Heating		61 / 83	63 / 85	63 / 85	63 / 85	63 / 85	64 / 86	64 / 86	65 / 87	65 / 87	65 / 87	65 / 87	66 / 88	66 / 88	
Maximum external static pressure		Pa	80	80	80	80	80	80	80	80	80	80	80	80	80	
Compressor motor output		kW	7.5×2	11.0+7.5	7.5×3	7.5×3	7.5×3	7.5×3	11.0+7.5×2	11.0+7.5×2	11.0×2+7.5	11.0×2+7.5	11.0×2+7.5	11.0×3	11.0×3	
Heat exchanger fin			Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	
Net Dimensions	Height	mm	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	
	Width		930×2	1,240+930	930×3	930×3	930×3	930×3	1,240+930×2	1,240+930×2	1,240×2+930	1,240+930×3	1,240×2+930	1,240×3	1,240×3	
	Depth		765	765	765	765	765	765	765	765	765	765	765	765	765	
Weight		kg	262×2	286+262	262×3	262×3	262×3	262×3	286+262×2	286+262×2	286×2+262	286×2+262	286×2+262	286×3	286×3	
Refrigerant	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	
	Charge	kg(CO2eq-1)	11.8×2 (24.6×2)	11.8×2 (24.6×2)	11.8×3 (24.6×3)	11.8×3 (24.6×3)	11.8×3 (24.6×3)	11.8×3 (24.6×3)	11.8×3 (24.6×3)	11.8×3 (24.6×3)	11.8×3 (24.6×3)	11.8×3 (24.6×3)	11.8×3 (24.6×3)	11.8×3 (24.6×3)	11.8×3 (24.6×3)	
Connection pipe diameter	Liquid	mm	12.70	15.88	15.88	15.88	15.88	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	
	Discharge Gas		22.22	28.58	28.58	28.58	28.58	28.58	28.58	28.58	28.58	34.92	34.92	34.92	34.92	
	Suction Gas		28.58	34.92	34.92	34.92	34.92	34.92	34.92	34.92	34.92	41.27	41.27	41.27	41.27	
Operation range	Cooling	°CDB	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	
	Heating		-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	
	Cooling/Heating		-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21

# Heat Pump Modular Type



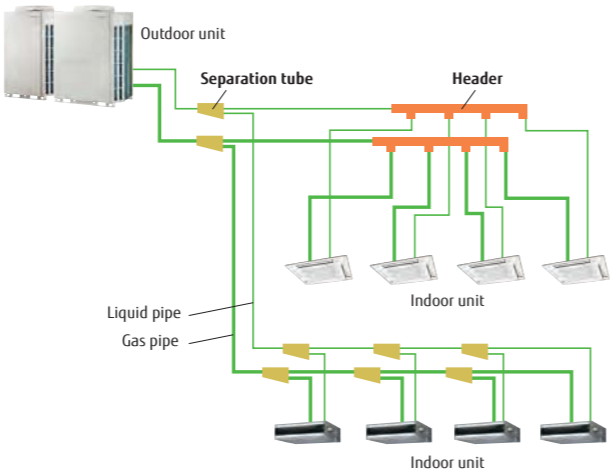
## Efficiency in actual operation

Top class high COP is achieved for all combinations by our unique heat exchanger structure, high efficient DC twin compressor, and our own technologies.



## System configuration example

- This system is used for medium-sized and large buildings. Connecting each outdoor unit makes it possible to create a highcapacity system.
- Connection of multiple indoor units using separation tubes and headers.



8,10HP: AJY072LALBH / AJY090LALBH  
12,14,16,18HP: AJY108LALBH / AJY126LALBH / AJY144LALBH / AJY162LALBH



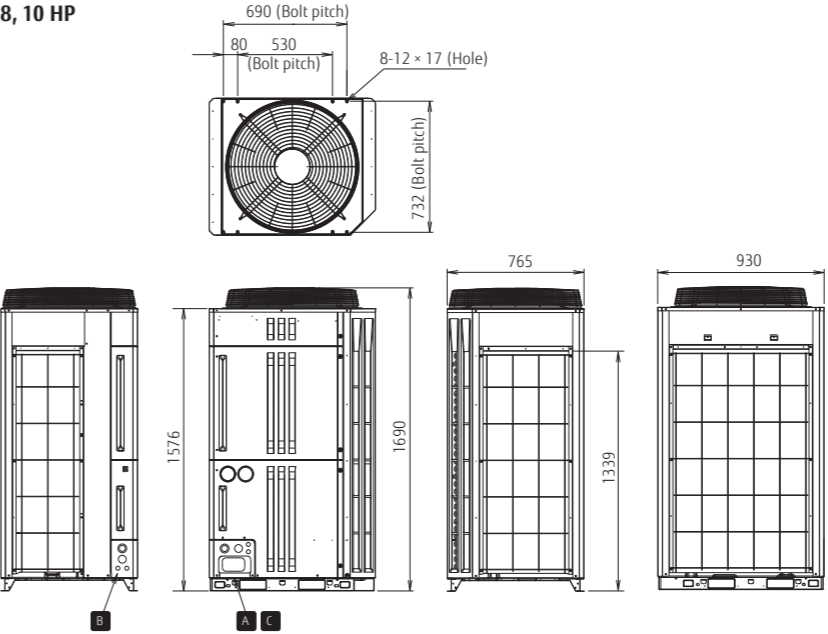
8, 10 HP

12, 14, 16, 18 HP

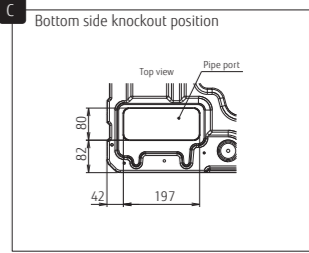
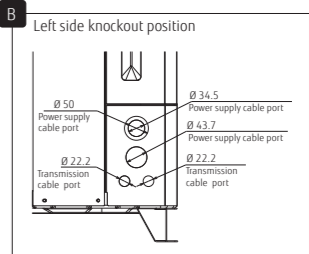
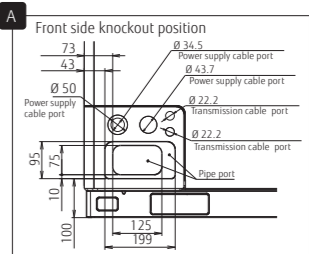
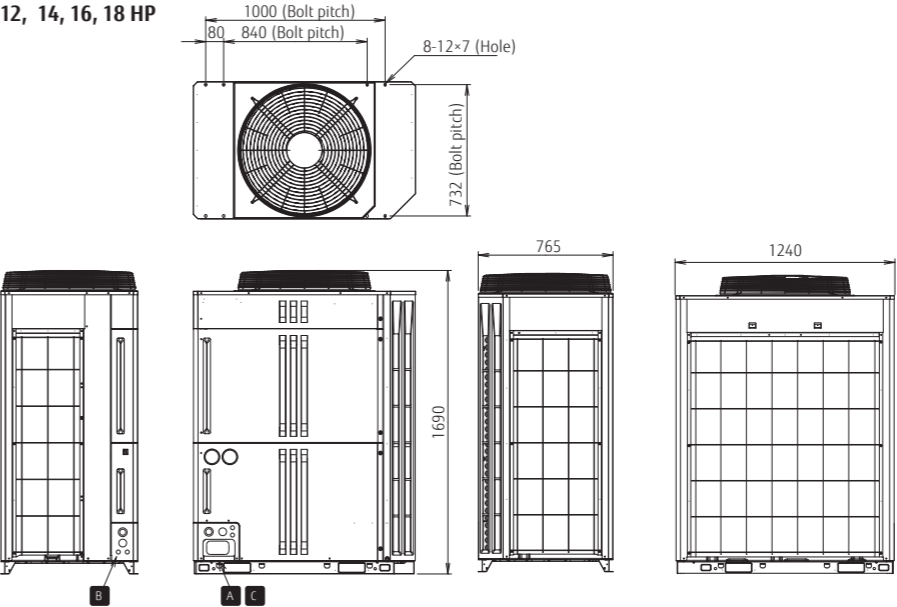
## Dimensions

(Unit : mm)

### 8, 10 HP



























### 12, 14, 16, 18 HP









Outdoor units specifications

Space Saving Combination

Rating Capacity range		HP	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	
																											
Set Model name			AJY072LALBH	AJY090LALBH	AJY108LALBH	AJY126LALBH	AJY144LALBH	AJY162LALBH	AJY180LALBH	AJY198LALBH	AJY216LALBH	AJY234LALBH	AJY252LALBH	AJY270LALBH	AJY288LALBH	AJY306LALBH	AJY324LALBH	AJY342LALBH	AJY360LALBH	AJY378LALBH	AJY396LALBH	AJY414LALBH	AJY432LALBH	AJY450LALBH	AJY468LALBH	AJY486LALBH	
Unit 1 Unit 2 Unit 3			AJY072LALBH	AJY090LALBH	AJY108LALBH	AJY126LALBH	AJY144LALBH	AJY162LALBH	AJY090LALBH AJY090LALBH	AJY126LALBH AJY072LALBH	AJY126LALBH AJY090LALBH	AJY144LALBH AJY090LALBH	AJY162LALBH AJY090LALBH	AJY144LALBH AJY126LALBH	AJY144LALBH AJY144LALBH	AJY162LALBH AJY144LALBH	AJY162LALBH AJY162LALBH	AJY162LALBH AJY090LALBH AJY090LALBH	AJY162LALBH AJY126LALBH AJY090LALBH	AJY144LALBH AJY126LALBH AJY090LALBH	AJY144LALBH AJY144LALBH AJY162LALBH	AJY162LALBH AJY144LALBH AJY144LALBH	AJY162LALBH AJY162LALBH AJY162LALBH	AJY144LALBH AJY162LALBH AJY162LALBH	AJY162LALBH AJY162LALBH AJY162LALBH	AJY162LALBH AJY162LALBH AJY162LALBH	
Maximum Connectable Indoor Unit*1			17	21	26	30	34	39	43	47	52	56	60	64	64	64	64	64	64	64	64	64	64	64	64	64	
Indoor unit connectable capacity			kW	11.2-33.6	14.0-42.0	16.8-50.2	20.0-60.0	22.5-67.5	25.0-67.5	28.0-84.0	31.2-93.6	34.0-102.0	36.5-109.5	39.0-109.5	42.5-127.5	45.0-135.0	47.5-135.0	50.0-135.0	53.0-151.5	56.5-169.5	59.0-177.0	61.5-177.0	64.0-177.0	67.5-202.5	70.0-202.5	72.5-202.5	75.0-202.5
Power source			3-phase 4 wire, 400 V, 50Hz																3-phase 4 wire, 400 V, 50Hz								
Capacity	Cooling	kW	22.4	28.0	33.5	40.0	45.0	50.0	56.0	62.4	68.0	73.0	78.0	85.0	90.0	95.0	100.0	106.0	113.0	118.0	123.0	128.0	135.0	140.0	145.0	150.0	
	Heating		25.0	31.5	37.5	45.0	50.0	50.0	63.0	70.0	76.5	81.5	81.5	95.0	100.0	100.0	100.0	113.0	126.5	131.5	131.5	131.5	150.0	150.0	150.0		
Input power	Cooling	kW	5.20	7.28	8.96	10.96	13.01	16.56	14.56	16.16	18.24	20.29	23.84	23.97	26.02	29.57	33.12	31.12	31.25	33.30	36.85	40.40	39.03	42.58	46.13	49.68	
	Heating		5.17	7.25	8.65	11.17	13.63	13.63	14.50	16.34	18.42	20.88	20.88	24.80	27.26	27.26	27.26	28.13	32.05	34.51	34.51	34.51	40.89	40.89	40.89	40.89	
EER	Cooling	W/W	4.31	3.85	3.74	3.65	3.46	3.02	3.85	3.86	3.73	3.60	3.27	3.55	3.46	3.21	3.02	3.41	3.62	3.54	3.34	3.17	3.46	3.29	3.14	3.02	
COP	Heating	W/W	4.84	4.35	4.34	4.03	3.67	3.67	4.34	4.28	4.15	3.90	3.90	3.83	3.67	3.67	3.67	4.02	3.95	3.81	3.81	3.81	3.67	3.67	3.67	3.67	
Airflow rate	High	m³/h	11,100	11,100	13,000	13,000	13,700	13,700	11,100×2	13,000+11,100	13,000+11,100	13,000+11,100	13,700+11,100	13,700+13,000	13,700×2	13,700×2	13,700×2	13,700×2	13,700+11,100×2	13,700+13,000+11,100	13,700+2+11,100	13,700+2+11,100	13,700×3	13,700×3	13,700×3	13,700×3	
Sound pressure level**/j	Cooling	dB(A)	56 / 77	58 / 79	57 / 78	60 / 81	62 / 83	63 / 84	61 / 82	61 / 82	62 / 83	63 / 84	64 / 85	64 / 85	65 / 88	66 / 87	66 / 87	65 / 86	65 / 86	66 / 87	66 / 87	67 / 87	67 / 88	67 / 88	67 / 88	68 / 89	
Power level	Heating		58 / 80	59 / 81	60 / 83	62 / 84	64 / 86	64 / 86	62 / 84	63 / 85	64 / 86	65 / 87	65 / 87	66 / 88	67 / 89	67 / 89	67 / 89	66 / 88	67 / 89	68 / 90	68 / 90	68 / 90	69 / 91	69 / 91	69 / 91	69 / 91	
Maximum external static pressure			Pa	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	
Compressor motor output			kW	7.5	7.5	11.0	11.0	11.0	7.5×2	11.0+7.5	11.0+7.5	11.0+7.5	11.0+7.5	11.0×2	11.0×2	11.0×2	11.0×2	11.0+7.5×2	11.0×2+7.5	11.0×2+7.5	11.0×2+7.5	11.0×2+7.5	11.0×3	11.0×3	11.0×3	11.0×3	
Heat exchanger fin				Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	
Net Dimensions	Height	mm	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	
	Width		930	930	1,240	1,240	1,240	1,240	930×2	1,240+930	1,240+930	1,240+930	1,240+930	1,240×2	1,240×2	1,240×2	1,240×2	1,240+930×2	1,240×2+930	1,240×2+930	1,240×2+930	1,240×2+930	1,240×3	1,240×3	1,240×3	1,240×3	
	Depth		765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	
Weight			kg	252	252	275	275	275	252×2	275+252	275+252	275+252	275+252	275×2	275×2	275×2	275×2	275+252×2	275×2+252	275×2+252	275×2+252	275×2+252	275×3	275×3	275×3	275×3	
Refrigerant	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	
	Charge	kg(CO2eq-T)	11.7 (24.4)	11.7 (24.4)	11.8 (24.6)	11.8 (24.6)	11.8 (24.6)	11.8 (24.6)	11.7×2 (24.4×2)	11.8+11.7 (24.6+24.4)	11.8+11.7 (24.6+24.4)	11.8+11.7 (24.6+24.4)	11.8+11.7 (24.6+24.4)	11.8×2 (24.6×2)	11.8×2 (24.6×2)	11.8×2 (24.6×2)	11.8×2 (24.6×2)	11.8+11.7×2 (24.6+24.4×2)	11.8×2+11.7 (24.6×2+24.4)	11.8×2+11.7 (24.6×2+24.4)	11.8×2+11.7 (24.6×2+24.4)	11.8×2+11.7 (24.6×2+24.4)	11.8×3 (24.6×3)	11.8×3 (24.6×3)	11.8×3 (24.6×3)	11.8×3 (24.6×3)	
Connection pipe diameter	Liquid	mm	12.70	12.70	12.70	12.70	12.70	15.88	15.88	15.88	15.88	15.88	15.88	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	
	Gas		22.22	22.22	28.58	28.58	28.58	28.58	28.58	34.92	34.92	34.92	34.92	34.92	34.92	34.92	34.92	41.27	41.27	41.27	41.27	41.27	41.27	41.27	41.27	41.27	
Operation range	Cooling	°CDB	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	
	Heating		-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	

Energy Efficiency Combination

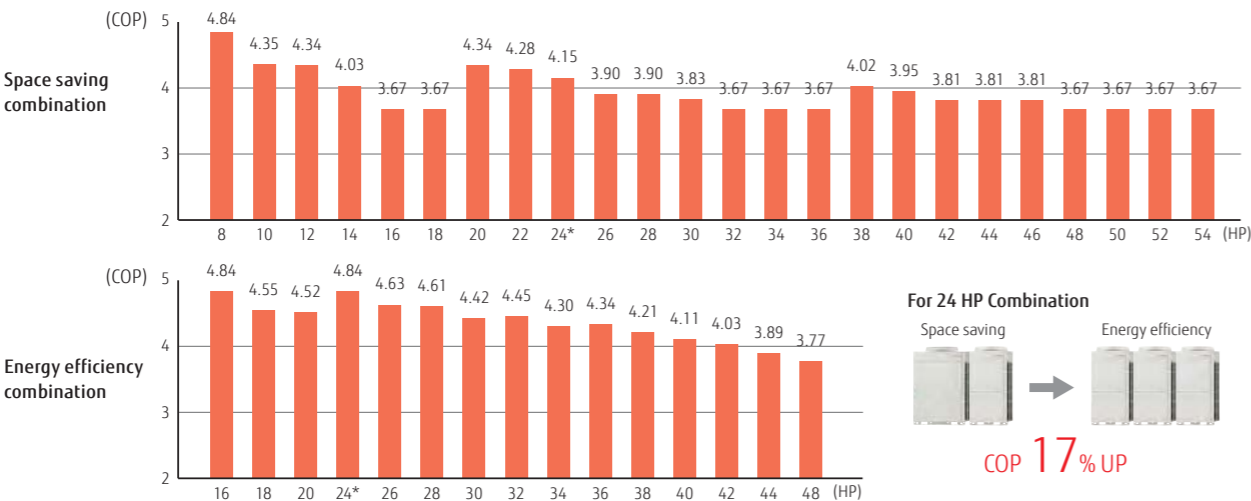
Rating Capacity range		HP	16	18	20	24	26	28	30	32	34	36	38	40	42	44	46
																	
Set Model name			AJY144LALBHH	AJY162LALBHH	AJY180LALBHH	AJY216LALBHH	AJY234LALBHH	AJY252LALBHH	AJY270LALBHH	AJY288LALBHH	AJY306LALBHH	AJY324LALBHH	AJY342LALBHH	AJY360LALBHH	AJY378LALBHH	AJY396LALBHH	AJY414LALBHH
Unit 1 Unit 2 Unit 3			AJY072LALBH AJY072LALBH	AJY090LALBH AJY072LALBH	AJY108LALBH AJY072LALBH	AJY072LALBH AJY072LALBH AJY072LALBH	AJY090LALBH AJY072LALBH AJY072LALBH	AJY108LALBH AJY072LALBH AJY072LALBH	AJY126LALBH AJY108LALBH AJY072LALBH	AJY108LALBH AJY108LALBH AJY072LALBH	AJY126LALBH AJY108LALBH AJY072LALBH	AJY108LALBH AJY108LALBH AJY108LALBH	AJY126LALBH AJY108LALBH AJY108LALBH	AJY126LALBH AJY126LALBH AJY108LALBH	AJY126LALBH AJY126LALBH AJY126LALBH	AJY144LALBH AJY126LALBH AJY126LALBH	AJY144LALBH AJY144LALBH AJY126LALBH
Maximum Connectable Indoor Unit*1			34	39	43	52	56	60	64	64	64			64	64	64	64
Indoor unit connectable capacity		kW	22.4-67.2	25.2-75.6	28.0-83.8	33.6-100.8	36.4-109.2	39.2-117.4	42.4-127.2	44.7-134.1	48.0-143.8	50.3-150.7	53.5-160.5	56.8-170.2	60.0-180.0	62.5-187.5	65.0-195.0
Power source			3-phase 4 wire, 400 V, 50Hz														
Capacity	Cooling	kW	44.8	50.4	55.9	67.2	72.8	78.3	84.8	89.4	95.9	100.5	107.0	113.5	120.0	125.0	130.0
	Heating		50.0	56.5	62.5	75.0	81.5	87.5	95.0	100.0	107.5	112.5	120.0	127.5	135.0	140.0	145.0
Input power	Cooling	kW	10.40	12.48	14.16	15.60	17.68	19.36	21.36	23.12	25.12	26.88	28.88	30.88	32.88	34.93	36.98
	Heating		10.34	12.42	13.82	15.51	17.59	18.99	21.51	22.47	24.99	25.95	28.47	30.99	33.51	35.97	38.43
EER	Cooling	W/W	4.31	4.04	3.95	4.31	4.12	4.04	3.97	3.87	3.82	3.74	3.70	3.68	3.65	3.58	3.52
COP	Heating	W/W	4.84	4.55	4.52	4.84	4.63	4.61	4.42	4.45	4.30	4.34	4.21	4.11	4.03	3.89	3.77
Airflow rate	High	m³/h	11,100×2	11,100×2	13,000+11,100	11,100×3	11,000×3	13,000+11,100×2	13,000+11,100×2	13,000×2+11,100	13,000×2+11,100	13,000×3	13,000×3	13,000×3	13,000×3	13,700+13,000×2	13,700×2+13,000
Sound pressure level**/r	Cooling	dB(A)	59 / 80	60 / 81	60 / 81	61 / 82	62 / 83	61 / 82	63 / 84	61 / 82	63 / 84	63 / 83	64 / 84	64 / 85	65 / 88	66 / 87	66 / 87
Power level	Heating		61 / 83	62 / 84	62 / 85	63 / 85	63 / 85	64 / 86	65 / 87	64 / 87	65 / 88	65 / 88	65 / 88	66 / 88	67 / 89	68 / 90	68 / 90
Maximum external static pressure		Pa	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82
Compressor motor output		kW	7.5×2	7.5×2	11.0×7.5	7.5×3	7.5×3	11.0×7.5×2	11.0×7.5×2	11.0×2×7.5	11.0×2×7.5	11.0×3	11.0×3	11.0×3	11.0×3	11.0×3	11.0×3
Heat exchanger fin			Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin
Net Dimensions	Height	mm	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690
	Width		930×2	930×2	1,240×930	930×3	930×3	1,240×930×2	1,240×930×2	1,240×2×930	1,240×2×930	1,240×3	1,240×3	1,240×3	1,240×3	1,240×3	1,240×3
	Depth		765	765	765	765	765	765	765	765	765	765	765	765	765	765	765
Weight		kg	252×2	252×2	275×252	252×3	252×3	275×252×2	275×252×2	275×2×252	275×2×252	275×3	275×3	275×3	275×3	275×3	275×3
Refrigerant	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge	kg(CO2eq-T)	11.7×2 (24.4×2)	11.7×2 (24.4×2)	11.8+11.7 (24.6+24.4)	11.7×3 (24.4×3)	11.7×3 (24.4×3)	11.8+11.7×2 (24.6+24.4×2)	11.8+11.7×2 (24.6+24.4×2)	11.8×2+11.7 (24.6×2+24.4)	11.8×2+11.7 (24.6×2+24.4)	11.8×3 (24.6×3)	11.8×3 (24.6×3)	11.8×3 (24.6×3)	11.8×3 (24.6×3)	11.8×3 (24.6×3)	11.8×3 (24.6×3)
Connection pipe diameter	Liquid	mm	12.70	15.88	15.88	15.88	15.88	15.88	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05
	Gas		28.58	28.58	28.58	34.92	34.92	34.92	34.92	34.92	34.92	41.27	41.27	41.27	41.27	41.27	41.27
Operation range	Cooling	°CDB	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46
	Heating		-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21

Heat Pump  
Modular Type

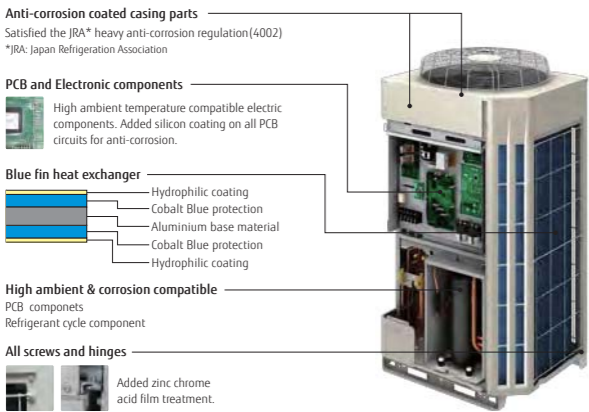


Efficiency in actual operation

Top class high COP is achieved for all combinations by our unique heat exchanger structure, high efficient DC twin compressor, and our own technologies.

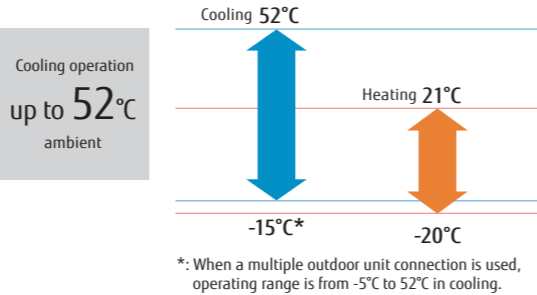


Heavy anti-corrosion treatment design



High ambient operation design

Possible to operate cooling up to 52°C outdoor temperature by adopting DC fan motor, large propeller fan and large heat exchanger.



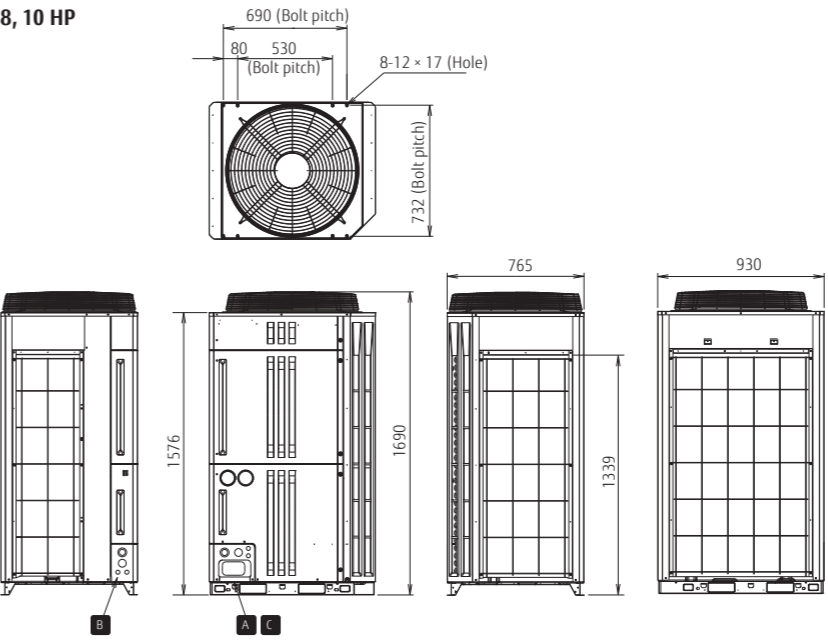
8,10HP : AJY072LNLBH / AJY090LNLBH  
12,14,16,18HP : AJY108LNLBH / AJY126LNLBH / AJY144LNLBH / AJY162LNLBH



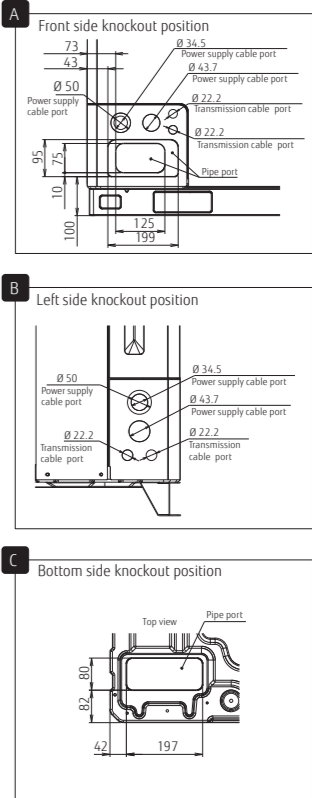
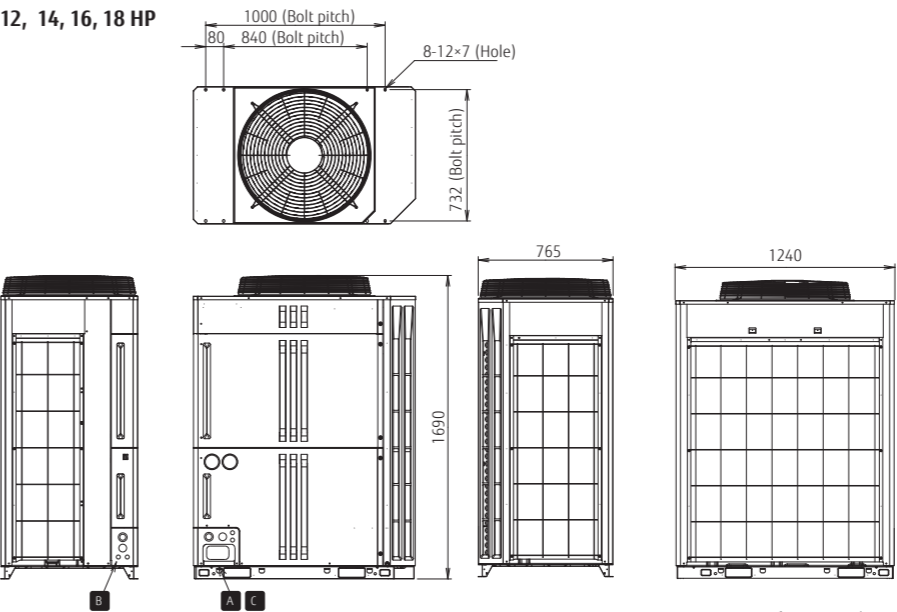
Dimensions

(Unit : mm)

8, 10 HP

























12, 14, 16, 18 HP


















For more information, please contact Fujitsu General Limited. (www.fujitsu-general.com)

Outdoor units specifications










































Space Saving Combination

Rating Capacity range			HP	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	
																												
Set Model name				AJY072LNLBH	AJY090LNLBH	AJY108LNLBH	AJY126LNLBH	AJY144LNLBH	AJY162LNLBH	AJY180LNLBH	AJY198LNLBH	AJY216LNLBH	AJY234LNLBH	AJY252LNLBH	AJY270LNLBH	AJY288LNLBH	AJY306LNLBH	AJY324LNLBH	AJY342LNLBH	AJY360LNLBH	AJY378LNLBH	AJY396LNLBH	AJY414LNLBH	AJY432LNLBH	AJY450LNLBH	AJY468LNLBH	AJY486LNLBH	
Unit 1 Unit 2 Unit 3				AJY072LNLBH	AJY090LNLBH	AJY108LNLBH	AJY126LNLBH	AJY144LNLBH	AJY162LNLBH	AJY180LNLBH	AJY198LNLBH	AJY216LNLBH	AJY234LNLBH	AJY252LNLBH	AJY270LNLBH	AJY288LNLBH	AJY306LNLBH	AJY324LNLBH	AJY342LNLBH	AJY360LNLBH	AJY378LNLBH	AJY396LNLBH	AJY414LNLBH	AJY432LNLBH	AJY450LNLBH	AJY468LNLBH	AJY486LNLBH	
Maximum Connectable Indoor Unit				13	16	19	23	26	29	33	36	40	43	46	50	53	55	55	55	55	55	55	55	55	55	55	55	
Indoor unit connectable capacity			Cooling	kW	11.2-29.1	14-36.4	16.8-43.5	20-52	22.5-58.5	25-65	31.2-81.1	34-88.4	36.5-94.9	39-101.4	42.5-110.5	45-117	47.5-123.5	50-130	53-137.8	56.5-146.9	59-153.4	61.5-159.9	64-166.4	67.5-175.5	70-182	72.5-188.5	75-195	
Power source			3-phase 4 wire, 400 V, 50Hz												3N ~ 400V, 50/60Hz													
T1 condition	Capacity	Cooling	kW	22.4	28.0	33.5	40.0	45.0	50.0	56.0	62.4	68.0	73.0	78.0	85.0	90.0	95.0	100.0	106.0	113.0	118.0	123.0	128.0	135.0	140.0	145.0	150.0	
		Heating	kW	25.0	31.5	37.5	45.0	50.0	50.0	63.0	70.0	76.5	81.5	81.5	95.0	100.0	100.0	100.0	113.0	126.5	131.5	131.5	150.0	150.0	150.0	150.0		
		Cooling	Btu/h	76400	95500	114300	136500	153500	170600	191000	212900	232000	249000	266100	290000	307000	324100	341200	361600	385500	402500	419600	436700	460500	477600	494700	511800	
		Heating	Btu/h	85300	107500	128000	153500	170600	215000	238800	261000	278100	278100	324100	341200	341200	341200	341200	385600	431600	448700	448700	448700	511800	511800	511800	511800	
		Cooling	kW	5.20	7.28	8.96	10.96	13.01	16.56	14.56	16.16	18.24	20.29	23.84	23.97	26.02	29.57	33.12	31.12	31.25	33.30	36.85	40.40	39.03	42.58	46.13	49.68	
		Heating	kW	5.17	7.25	8.65	11.17	13.63	13.63	14.50	16.34	18.42	20.88	20.88	24.80	27.26	27.26	27.26	28.13	32.05	34.51	34.51	34.51	40.89	40.89	40.89	40.89	
	Current	Cooling	A	9.2	12.0	15.0	17.7	20.7	26.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Heating	A	9.2	12.2	14.6	18.2	21.5	21.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		EER	Cooling	W/W	4.31	3.85	3.74	3.65	3.46	3.02	3.85	3.86	3.73	3.60	3.27	3.55	3.46	3.21	3.02	3.41	3.62	3.54	3.34	3.17	3.46	3.29	3.14	3.02
		COP	Heating	W/W	4.84	4.35	4.34	4.03	3.67	3.67	4.34	4.28	4.15	3.90	3.90	3.83	3.67	3.67	3.67	4.02	3.95	3.81	3.81	3.81	3.67	3.67	3.67	3.67
		EER	Cooling	Btu/h/W	14.7	13.1	12.8	12.5	11.8	10.3	13.1	13.2	12.7	12.3	11.2	12.1	11.8	11.0	10.3	11.6	12.3	12.1	11.4	10.8	11.8	11.2	10.7	10.3
		COP	Heating	Btu/h/W	16.5	14.8	14.8	13.7	12.5	12.5	14.8	14.6	14.2	13.3	13.3	13.1	12.5	12.5	12.5	13.7	13.5	13.0	13.0	13.0	12.5	12.5	12.5	12.5
T3 condition	Capacity	Cooling	kW	20.2	25.2	28.5	32	35.1	35.2	50.4	52.2	57.2	60.4	67.1	70.2	70.3	70.4	70.4	85.6	92.3	95.4	95.5	95.6	105.3	105.4	105.5	105.6	
		Heating	kW	68900	86000	97200	109200	119800	120100	172000	178100	195200	205800	229000	239600	239900	240200	240200	292100	315000	325600	325900	326200	359400	359700	360000	360300	
		Current	A	6.73	9.20	9.34	10.70	11.82	12.35	18.39	17.44	19.90	21.02	21.55	22.52	23.64	24.17	24.70	30.75	31.72	32.83	33.37	33.90	35.45	35.99	36.52	37.05	
	EER	Cooling	W/W	10.8	14.5	14.7	16.9	18.6	19.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Heating	W/W	3.00	2.74	3.05	2.99	2.97	2.85	2.74	2.99	2.87	2.87	2.80	2.98	2.97	2.91	2.85	2.78	2.91	2.91	2.86	2.82	2.97	2.93	2.89	2.85	
		Cooling	Btu/h/W	10.23	9.35	10.40	10.20	10.14	9.72	9.35	10.21	9.81	9.79	9.56	10.17	10.14	9.93	9.72	9.50	9.93	9.92	9.77	9.62	10.14	10.00	9.86	9.72	
Power factor		%	90	92	92	92	92	93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Airflow rate		High	m³/h	11100	11100	13000	13000	13700	13700	11100×2	13000×11100	13700×11100	13700×11100	13700×13000	13700×2	13700×2	13700×2	13700×2	13700×11100×2	13700×13000×11100	13700×2+11100	13700×2+11100	13700×2+11100	13700×3	13700×3	13700×3	13700×3	
Sound pressure level / Power level		Cooling	dB(A)	56 / 77	58 / 79	57 / 78	60 / 81	62 / 83	63 / 84	61 / 82	61 / 82	62 / 83	63 / 84	64 / 85	64 / 85	65 / 88	66 / 87	66 / 87	65 / 86	65 / 86	66 / 87	66 / 87	67 / 87	67 / 88	67 / 88	68 / 89	68 / 89	
External static pressure (Max)		Heating	Pa	58 / 80	59 / 81	60 / 83	62 / 84	64 / 86	64 / 86	62 / 84	63 / 85	64 / 86	65 / 87	65 / 87	66 / 88	67 / 89	67 / 89	67 / 89	66 / 88	66 / 88	67 / 89	68 / 90	68 / 90	69 / 91	69 / 91	69 / 91	69 / 91	
Compressor motor output		kW	7.5	7.5	11	11	11	11	11	7.5×2	11.0×7.5	11.0×7.5	11.0×7.5	11.0×7.5	11.0×2	11.0×2	11.0×2	11.0×2	11.0×2+7.5	11.0×2+7.5	11.0×2+7.5	11.0×2+7.5	11.0×2+7.5	11.0×3	11.0×3	11.0×3	11.0×3	
Heat exchanger fin			Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	
Net Dimensions	Height	mm	1690	1690	1690	1690	1690	1690	1690	1690	1690	1690	1690	1690	1690	1690	1690	1690	1690	1690	1690	1690	1690	1690	1690	1690	1690	
	Width	mm	930	930	1240	1240	1240	1240	930×2	1240×930	1240×930	1240×930	1240×930	1240×930	1240×2	1240×2	1240×2	1240×2	1240×930×2	1240×2+930	1240×2+930	1240×2+930	1240×2+930	1240×3	1240×3	1240×3	1240×3	
	Depth	mm	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	
Weight		kg	255	255	279	279	279	279	279	255×2	279×255	279×255	279×255	279×255	279×2	279×2	279×2	279×2	279×255×2	279×2+255	279×2+255	279×2+255	279×2+255	279×3	279×3	279×3	279×3	
Refrigerant	Type (Global Warming Potential)			R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	
	Charge	kg(CO2eq-T)		11.7 (24.4)	11.7 (24.4)	11.8 (24.6)	11.8 (24.6)	11.8 (24.6)	11.7×2 (24.4×2)	11.8×11.7 (24.6×24.4)	11.8×11.7 (24.6×24.4)	11.8×11.7 (24.6×24.4)	11.8×11.7 (24.6×24.4)	11.8×2 (24.6×2)	11.8×2 (24.6×2)	11.8×2 (24.6×2)	11.8×2 (24.6×2)	11.8×11.7×2 (24.6×2+24.4)	11.8×2+11.7 (24.6×2+24.4)	11.8×2+11.7 (24.6×2+24.4)	11.8×2+11.7 (24.6×2+24.4)	11.8×2+11.7 (24.6×2+24.4)	11.8×3 (24.6×3)	11.8×3 (24.6×3)	11.8×3 (24.6×3)	11.8×3 (24.6×3)		
Connection pipe diameter	Liquid	mm		12.70	12.70	12.70	12.70	12.70	15.88	15.88	15.88	15.88	15.88	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	
	Gas	mm		22.22	22.22	28.58	28.58	28.58	28.58	34.92	34.92	34.92	34.92	34.92	34.92	34.92	41.27	41.27	41.27	41.27	41.27	41.27	41.27	41.27	41.27	41.27	41.27	
Operation range	Cooling	°CDB		-15 to 52	-15 to 52	-15 to 52	-15 to 52	-15 to 52	-15 to 52	-5 to 52	-5 to 52	-5 to 52	-5 to 52	-5 to 52	-5 to 52	-5 to 52	-5 to 52	-5 to 52	-5 to 52	-5 to 52	-5 to 52	-5 to 52	-5 to 52	-5 to 52	-5 to 52	-5 to 52	-5 to 52	
	Heating	°CDB		-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	

Energy Efficiency Combination

Rating Capacity range			HP	16	18	20	24	26	28	30	32	34	36	38	40	42	44	46	
																			
Set Model name				AJY144LNLBHH Unit 1 Unit 2 Unit 3	AJY162LNLBHH Unit 1 Unit 2 Unit 3	AJY180LNLBHH Unit 1 Unit 2 Unit 3	AJY216LNLBHH Unit 1 Unit 2 Unit 3	AJY234LNLBHH Unit 1 Unit 2 Unit 3	AJY252LNLBHH Unit 1 Unit 2 Unit 3	AJY270LNLBHH Unit 1 Unit 2 Unit 3	AJY288LNLBHH Unit 1 Unit 2 Unit 3	AJY306LNLBHH Unit 1 Unit 2 Unit 3	AJY324LNLBHH Unit 1 Unit 2 Unit 3	AJY342LNLBHH Unit 1 Unit 2 Unit 3	AJY360LNLBHH Unit 1 Unit 2 Unit 3	AJY378LNLBHH Unit 1 Unit 2 Unit 3	AJY396LNLBHH Unit 1 Unit 2 Unit 3	AJY414LNLBHH Unit 1 Unit 2 Unit 3	
Maximum Connectable Indoor Unit				26	29	33	39	43	46	50	52	55	55	55	55	55	55	55	55
Indoor unit connectable capacity				22.4-58.2	25.2-65.5	28-72.6	33.6-87.3	36.4-94.6	39.2-101.7	42.4-110.2	44.7-116.2	48-124.6	50.3-130.6	53.5-139.1	56.8-147.5	60-156	62.5-162.5	65-169	
Power source				3N ~ 400V, 50/60Hz										3-phase 4 wire, 400V, 50Hz					
T1 condition	Capacity	Cooling	kW	44.8	50.4	55.9	67.2	72.8	78.3	84.8	89.4	95.9	100.5	107.0	113.5	120.0	125.0	130.0	
		Heating	kW	50.0	56.5	62.5	75.0	81.5	87.5	95.0	100.0	107.5	112.5	120.0	127.5	135.0	140.0	145.0	
		Cooling	Btu/h	152800	171900	190700	229200	248300	267100	289300	305000	327200	342900	365100	387300	409500	426500	443500	
		Heating	Btu/h	170600	192800	213300	255900	278100	298600	324100	343000	366800	384000	409500	435000	460500	477600	494700	
		Cooling	kW	10.40	12.48	14.16	15.60	17.68	19.36	21.36	23.12	25.12	26.88	28.88	30.88	32.88	34.93	36.98	
		Heating	kW	10.34	12.42	13.82	15.51	17.59	18.99	21.51	22.47	24.99	25.95	28.47	30.99	33.51	35.97	38.43	
	Current	Cooling	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Heating	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		EER	Cooling	W/W	4.31	4.04	3.95	4.31	4.12	4.04	3.97	3.87	3.82	3.74	3.70	3.68	3.65	3.58	3.52
		COP	Heating	W/W	4.84	4.55	4.52	4.84	4.63	4.61	4.45	4.40	4.30	4.24	4.21	4.11	4.03	3.89	3.77
		EER	Cooling	Btu/h/W	14.7	13.8	13.5	14.7	14.0	13.8	13.2	13.0	12.8	12.6	12.5	12.5	12.2	12.0	
		COP	Heating	Btu/h/W	16.5	15.5	15.4	16.5	15.8	15.7	15.1	15.2	14.7	14.8	14.4	14.0	13.7	13.3	12.9
T3 condition	Capacity	Cooling	kW	40.4	45.4	48.7	60.6	65.6	68.9	72.4	77.2	80.7	85.5	89.0	92.5	96.0	99.1	102.2	
			Btu/h	137800	154900	166100	206700	223800	235000	247000	263300	275300	291600	303600	315600	327600	338200	348800	
			kW	13.47	15.93	16.08	20.20	22.66	22.81	24.17	25.42	26.78	28.03	29.39	30.75	32.11	33.22	34.34	
	Current	Cooling	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
			W/W	3.00	2.85	3.03	3.00	2.89	3.02	3.00	3.04	3.01	3.05	3.03	3.01	2.99	2.98	2.98	
Power factor				%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Airflow rate				High	m³/h	11100×2	11100×2	13000×11100	11100×3	11100×3	13000×11100×2	13000×11100×2	13000×2+11100	13000×2+11100	13000×3	13000×3	13000×3	13700×13000×2	13700×2+13000
Sound pressure level / Power level				Cooling	dB(A)	59 / 80	60 / 81	60 / 81	61 / 82	62 / 83	61 / 82	63 / 84	63 / 84	62 / 83	63 / 84	64 / 85	65 / 88	66 / 87	66 / 87
				Heating	dB(A)	61 / 83	62 / 84	62 / 85	63 / 85	63 / 85	64 / 86	65 / 87	65 / 88	65 / 88	66 / 88	66 / 88	67 / 89	68 / 90	68 / 90
External static pressure (Max)					Pa	82	82	82	82	82	82	82	82	82	82	82	82	82	82
Compressor motor output					kW	7.5÷2	7.5÷2	11.0÷7.5	7.5÷3	7.5÷3	11.0÷7.5÷2	11.0÷7.5÷2	11.0÷2+7.5	11.0÷2+7.5	11.0÷3	11.0÷3	11.0÷3	11.0÷3	11.0÷3
Heat exchanger fin					Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin
Net Dimensions				Height	mm	1690	1690	1690	1690	1690	1690	1690	1690	1690	1690	1690	1690	1690	1690
				Width	mm	930×2	930×2	1240×930	930×3	930×3	1240×930×2	1240×930×2	1240×3	1240×3	1240×3	1240×3	1240×3	1240×3	1240×3
				Depth	mm	765	765	765	765	765	765	765	765	765	765	765	765	765	
Weight					kg	255×2	255×2	279×255	255×3	255×3	279×255×2	279×255×2	279×255	279×255	279×3	279×3	279×3	279×3	
				Type (Global Warming Potential)		R410A (2.088)	R410A (2.088)	R410A (2.088)	R410A (2.088)	R410A (2.088)	R410A (2.088)	R410A (2.088)	R410A (2.088)	R410A (2.088)	R410A (2.088)	R410A (2.088)	R410A (2.088)	R410A (2.088)	
Refrigerant				Charge	kg(CO2eq-T)	11.7÷2 (24.4÷2)	11.7÷2 (24.4÷2)	11.8÷11.7 (24.6÷24.4)	11.7÷3 (24.4÷3)	11.7÷3 (24.4÷3)	11.8÷11.7÷2 (24.6÷24.4÷2)	11.8÷11.7÷2 (24.6÷24.4)	11.8÷2+11.7 (24.6÷2+11.7)	11.8÷3 (24.6÷3)	11.8÷3 (24.6÷3)	11.8÷3 (24.6÷3)	11.8÷3 (24.6÷3)	11.8÷3 (24.6÷3)	
Connection pipe diameter				Liquid	mm	12.70	15.88	15.88	15.88	15.88	15.88	19.05	19.05	19.05	19.05	19.05	19.05	19.05	
				Gas	mm	28.58	28.58	28.58	34.92	34.92	34.92	34.92	41.27	41.27	41.27	41.27	41.27	41.27	
Operation range				Cooling	°CDB	-5 to 52	-5 to 52	-5 to 52	-5 to 52	-5 to 52	-5 to 52	-5 to 52	-5 to 52	-5 to 52	-5 to 52	-5 to 52	-5 to 52	-5 to 52	
				Heating	°CDB	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	

VRF Indoor Unit Lineup

Capacity range (kW)		1.1	2.2	2.8	3.6	4.5	5.6	7.1	9.0	10.0	11.2	12.5	14.0	18.0	22.4	25.0	28.0
Model code		4	7	9	12	14	18	24	30	34	36	45	54	60	72	90	96
Cassette	<div>NEW</div> Compact Grid type / Standard type	 AUXB04GBLH	 AUXB07GALH	 AUXB09GALH	 AUXB12GALH	 AUXB14GALH	 AUXB18GALH	 AUXB24GALH									
	4-way Flow Slim type						 AUXD18GALH	 AUXD24GALH									
	4-way Flow Large type						 AUXA18GALH*1	 AUXA24GALH*1	 AUXA30GALH	 AUXA34GALH	 AUXA36GALH	 AUXA45GALH	 AUXA54GALH				
	Circular Flow Slim type						 AUXM018GLAH	 AUXM024GLAH	 AUXM030GLAH								
	Circular Flow Large type						 AUXK018GLAH	 AUXK024GLAH	 AUXK030GLAH	 AUXK034GLAH	 AUXK036GLAH	 AUXK045GLAH	 AUXK054GLAH				
Duct	Mini Duct (With drain pump)	 ARXK04GCLH	 ARXK07GCLH	 ARXK09GCLH	 ARXK12GCLH	 ARXK14GCLH	 ARXK18GCLH	 ARXK24GCLH									
	Slim Duct (With drain pump)	 ARXD04GALH*1	 ARXD07GALH	 ARXD09GALH	 ARXD12GALH	 ARXD14GALH	 ARXD18GALH	 ARXD24GALH									
	Medium Static Pressure Duct							 ARXA24GBLH	 ARXA30GBLH		 ARXA36GBLH	 ARXA45GBLH					
	High Static Pressure Duct										 ARXC36GBTH	 ARXC45GATH		 ARXC60GATH*2	 ARXC72GBTH*2	 ARXC90GBTH*2	 ARXC96GATH*2
	Large Airflow Duct (Compact type)						 ARXN018GLBH*3	 ARXN024GTBH*3	 ARXN030GTBH*3								
	Large Airflow Duct						 ARXN18GATH*4	 ARXN24GATH*4	 ARXN30GATH*4	 ARXN34GATH*4	 ARXN36GATH*4	 ARXN45GATH*4					
Floor	Floor (*Same as Ceiling models)				 ABYA12GATH	 ABYA14GATH	 ABYA18GATH	 ABYA24GATH									
	Slim Concealed Floor (*Same as Slim Duct models)	 ARXD04GALH*1	 ARXD07GALH	 ARXD09GALH	 ARXD12GALH	 ARXD14GALH	 ARXD18GALH	 ARXD24GALH									
	Compact Floor	 AGYA004GCAH	 AGYA007GCAH	 AGYA009GCAH	 AGYA012GCAH	 AGYA014GCAH											
	Compact Floor (EEV external)	 AGYE004GCAH	 AGYE007GCAH	 AGYE009GCAH	 AGYE012GCAH	 AGYE014GCAH											
		With this model, connection of EV kit is necessary.															
Ceiling					 ABYA12GATH	 ABYA14GATH	 ABYA18GATH	 ABYA24GATH	 ABYA30GATH		 ABYA36GATH	 ABYA45GATH	 ABYA54GATH				
Wall Mounted	Wall Mounted	 ASYA004GTAH	 ASYA007GTAH	 ASYA009GTAH	<div>NEW</div>  ASYA012GCAH	<div>NEW</div>  ASYA014GCAH	 ASYA18GBCH	 ASYA24GBCH	 ASYA030GTAH	 ASYA034GTAH							
	Wall Mounted (EEV external)	 ASYE004GTAH	 ASYE007GTAH	 ASYE009GTAH	<div>NEW</div>  ASYE012GCAH	<div>NEW</div>  ASYE014GCAH											
		With this model, connection of EV kit is necessary.															

\*1: ARXD04GALH and AUXA18/24GALH cannot be connected to J-III L series. \*2: ARXC60/72/90/96G can be connected to J-III L series only.  
\*3: Large Airflow Duct (Compact type) can be connected to J-III L series only. \*4: Large Airflow Duct can be connected to V-III series and VR-II series.

NEW

## Compact Cassette

Grid Type  
Compact & Comfort

Model:  
AUXB04GBLH / AUXB07GALH/  
AUXB09GALH / AUXB12GALH/  
AUXB14GALH / AUXB18GALH/  
AUXB24GALH

Panel Model:  
UTG-UFYE-W



### Compact and stylish panel design

Compact and stylish panel design fits the grid type ceiling. It is a linear design suitable for grid shape of 620 mm × 620 mm grid ceiling.



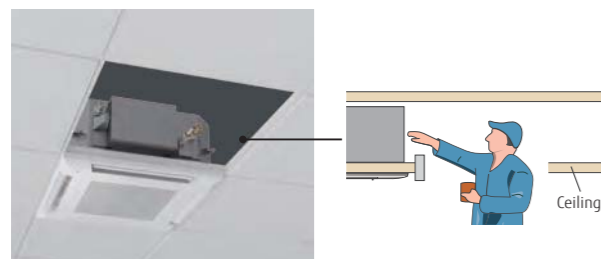
### Flexible installation

It is suitable for ceiling of grid type and it has high degree of freedom of installation and it can be installed beside lighting and ventilation opening.



### Easy maintenance

Maintenance is easier by removing the ceiling panel next to the grill, maintenance can be done, and new installation of inspection hole is unnecessary, so construction costs can be suppressed.



The air inlet grill can be installed in various directions, so maintenance is easy.



NEW

## Wall Mounted

Compact & Comfort

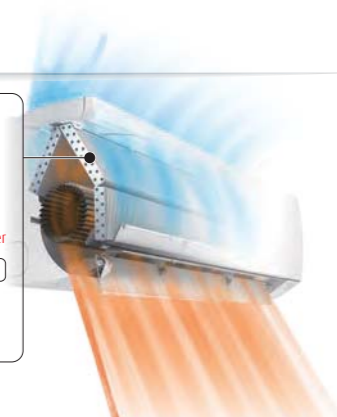
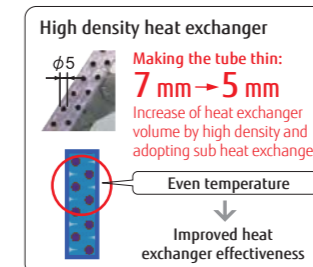
Model:  
ASYA012GCAH / ASYA014GCAH  
(EEV Internal)

ASYE012GCAH / ASYE014GCAH  
(EEV external)



### High efficient compact design

High efficient compact design is realized by mounting a high density and large heat exchanger. Compact body makes it possible to install inconspicuously even in a meeting or office room and comfortable air conditioning is provided.

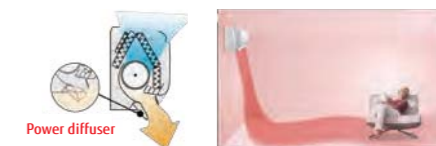


### More comfort airflow

Comfortable air conditioning is provided by mounting our unique power diffuser.

#### Heating

Vertical airflow provides powerful floor level heating



#### Cooling

Horizontal airflow does not blow cool air directly at the occupants in the room.

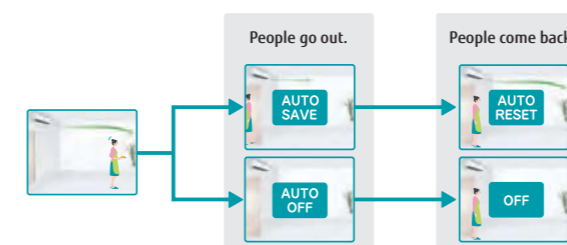


### Human sensor increases more energy saving

Energy saving operation starts automatically by detecting the motion of a person. 2 modes of save operation mode and stop mode can be selected.



Human sensor



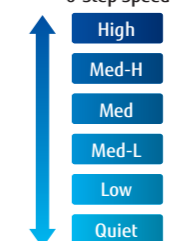
### 6 Fan Speed Control

Multistep airflow control is possible to suit the environment.

Fan speed  
Quiet

Low noise  
24 dB(A)

#### 6-Step Speed



\* Compatible Remote Controller is as follows:  
UTY-RNRY22 / UTY-RLRY / UTY-RSRY / UTY-RHRY / UTY-DCGY / UTY-DTGY21 / UTY-ALGX / UTY-APGX

VRF Indoor Units Specifications



Compact Cassette



NEW									
Model name			AUXB04GBLH	AUXB07GALH	AUXB09GALH	AUXB12GALH	AUXB14GALH	AUXB18GALH	AUXB24GALH
Power source			Single-phase, ~230V, 50Hz						
Capacity	Cooling	kW	1.1	2.2	2.8	3.6	4.5	5.6	7.1
	Heating		1.3	2.8	3.2	4.1	5.0	6.3	8.0
Input power		W	23	25	25	29	35	36	84
Airflow rate	High	m³/h	530	540	550	600	680	710	1,030
	Med		420/450* <sup>1</sup>	450	450	530	590	580	830
	Low		300/350* <sup>1</sup>	350	350	390	390	400	450
Sound pressure level	High	dB(A)	34	34	35	37	38	41	50
	Med		28/30* <sup>1</sup>	30	30	34	34	35	44
	Low		21/25* <sup>1</sup>	25	25	27	27	27	30
Net Dimensions (H × W × D)		mm	245 × 570 × 570						
Weight		kg(lbs)	15 (33)						17 (37)
Connection pipe diameter	Liquid (Flare)	mm	6.35						9.52
	Gas (Flare)		12.70						15.88
Drain hose diameter (I.D./O.D.)			25/32						
Cassette Grille	Model name		UTG-UFYE-W / UTG-UFYC-W						
	Net Dimensions (H×W×D)	mm	49 × 620 × 620 / 49 × 700 × 700						
	Weight	kg(lbs)	2.3(5.1) / 2.6(6)						

Note : Specifications are based on the following conditions. Cooling : Indoor temperature of 27°CDB / 19°CWB, and outdoor temperature of 35°CDB / 24°CWB. Heating : Indoor temperature of 20°CDB / (15°CWB), and outdoor temperature of 7°CDB / 6°CWB. Pipe length : 7.5 m; Height difference between outdoor unit and indoor unit : 0 m. Voltage : 230 [V]. \*1: This value is under cooling operation.

4-way Cassette



Model name			AUXD18GALH	AUXD24GALH	AUXA18GALH	AUXA24GALH	AUXA30GALH	AUXA34GALH	AUXA36GALH	AUXA45GALH	AUXA54GALH						
Power source			Single-phase, ~230V, 50Hz														
Capacity	Cooling	kW	5.6	7.1	5.6	7.1	9.0	10.0	11.2	12.5	14.0						
	Heating		6.3	8.0	6.3	8.0	10.0	11.2	12.5	14.0	16.0						
Input power		W	39	46	51	51	59	77	80	99	119						
Airflow rate	High	m³/h	1,150	1,280	1,420	1,420	1,600	1,750	1,800	1,900	2,000						
	Med		940	1,040	1,230	1,230	1,300	1,300	1,300	1,370	1,370						
	Low		870	870	1,100/1,000*1	1,100/1,000*1	1,100	1,100	1,100	1,100	1,100						
Sound pressure level	High	dB(A)	36	38	40	40	43	44	46	47							
	Med		30	33	36	36	38	38	39	39							
	Low		29	29	33/31*1	33/31*1	33	33	33	33	33						
Net Dimensions (H × W × D)			mm 246 × 840 × 840			288 × 840 × 840											
Weight			kg(lbs) 22 (48)			27 (59)											
Connection pipe diameter	Liquid (Flare)	mm				9.52											
	Gas (Flare)					15.88			19.05								
Drain hose diameter (I.D./O.D.)			25/32														
Cassette Grille	Model name	mm	UTG-UGYA-W														
	Net Dimensions (H×W×D)		50 × 950 × 950														
	Weight		kg(lbs) 5.5 (12)														

Note : Specifications are based on the following conditions. Cooling : Indoor temperature of 27°CDB / 19°CWB, and outdoor temperature of 35°CDB / 24°CWB. Heating : Indoor temperature of 20°CDB / (15°CWB), and outdoor temperature of 7°CDB / 6°CWB. Pipe length : 7.5 m; Height difference between outdoor unit and indoor unit : 0 m. Voltage : 230 [V]. \*1: This value is "cooling operation / heating operation".

Circular Flow Cassette



Model name			AUXM018GLAH	AUXM024GLAH	AUXM030GLAH	AUXK018GLAH	AUXK024GLAH	AUXK030GLAH	AUXK034GLAH	AUXK036GLAH	AUXK045GLAH	AUXK054GLAH		
Power source			Single-phase, ~230V, 50Hz											
Capacity	Cooling	kW	5.6	7.1	9.0	5.6	7.1	9.0	10.0	11.2	12.5	14.0		
	Heating		6.3	8.0	10.0	6.3	8.0	10.0	11.2	12.5	14.0	16.0		
Input power		W	20	25	49	40	40	47	47	61	89	116		
Airflow rate	High	m³/h	1,050	1,120	1,470	1,420	1,420	1,440	1,440	1,620	1,820	2,040		
	Med-H		930	1,050	1,160	1,360	1,360	1,440	1,440	1,500	1,590	1,800		
	Med		900	930	1,070	1,300	1,300	1,340	1,340	1,400	1,500	1,590		
	Med-L		870	900	930	1,270	1,270	1,300	1,300	1,340	1,400	1,440		
	Low		810	870	900	1,200	1,200	1,280	1,280	1,280	1,300	1,300		
Sound pressure level	Quiet	dB(A)	780	780	780	1,150	1,150	1,150	1,150	1,150	1,150	1,150		
	High		33	35	40	38	38	39	39	41	44	47		
	Med-H		32	33	36	37	37	38	38	40	42	45		
	Med		31	32	34	36	36	37	37	38	40	42		
	Med-L		30	31	32	35	35	36	36	37	38	39		
	Low		29	30	31	34	34	35	35	36	36	36		
	Quiet		28	28	28	33	33	33	33	33	33	33		
	Net Dimensions (H × W × D)		mm	246 x 840 x 840			288 x 840 x 840							
Weight		kg(lbs)	24.0 (53)	24.5 (54)	24.5 (54)	26.5 (58)	26.5 (58)	29.5 (65)	29.5 (65)	29.5 (65)	29.5 (65)	29.5 (65)		
Connection pipe diameter	Liquid (Flare)	mm	6.35			6.35			9.52					
	Gas (Flare)		12.70			12.70			15.88					
Drain hose diameter (I.D./O.D.)			25/32				25/32							
Cassette Grille	Model name	mm	UTG-UKYC-W / UTG-UKYA-B				UTG-UKYC-W / UTG-UKYA-B							
	Net Dimensions (H×W×D)		53 x 950 x 950				53 x 950 x 950				53 x 950 x 950			
	Weight		kg(lbs)				6.0 (13)				6.0 (13)			

Note : Specifications are based on the following conditions. Cooling : Indoor temperature of 27°CDB / 19°CWB, and outdoor temperature of 35°CDB / 24°CWB. Heating : Indoor temperature of 20°CDB / (15°CWB), and outdoor temperature of 7°CDB / 6°CWB. Pipe length : 7.5 m; Height difference between outdoor unit and indoor unit : 0 m. Voltage : 230 [V]. When AUX\*018GLAH is connected to the outdoor unit other than J-III, pipe diameter should be Ø9.52/Ø15.88 (Liq/Gas). When AUXK036GLAH, AUXK045GLAH, and AUXK054GLAH are connected to the outdoor unit other than J-III, gas pipe diameter should be Ø19.05.

VRF Indoor Units Specifications

Mini Duct



Model name			ARXK04GCLH	ARXK07GCLH	ARXK09GCLH	ARXK12GCLH	ARXK14GCLH	ARXK18GCLH	ARXK24GCLH
Power source			Single-phase, ~230V, 50Hz						
Capacity	Cooling	kW	1.1	2.2	2.8	3.6	4.5	5.6	7.1
	Heating		1.3	2.8	3.2	4.0	5.0	6.3	8.0
Input power		W	26	28	28	35	66	73	80
Airflow rate	High	m³/h	460	460	460	550	760	930	1,160
	Med-H		440	—	—	—	—	—	—
	Med		420	420	420	480	560	740	960
	Med-L		400	—	—	—	—	—	—
	Low		370	370	370	410	410	540	750
	Quiet		340	—	—	—	—	—	—
Static pressure range		Pa	0 to 30				0 to 50		
Standard static pressure			10				15		
Sound pressure level	High	dB(A)	25	26	26	29	34	33	32
	Med-H		24	25	25	27	31	30	30
	Med		23	24	24	26	28	28	28
	Med-L		22	23	23	25	26	26	27
	Low		21	22	22	24	24	24	25
	Quiet		20	21	21	22	22	22	22
Net Dimensions (H × W × D)		mm	198 × 700 × 450				198 × 900 × 450	198 × 1,100 × 450	
Weight		kg(lbs)	14.5 (32)	15.5 (34)		16 (35)		19 (42)	22.5 (50)
Connection pipe diameter	Liquid (Flare)	mm	6.35		6.35		9.52		
	Gas (Flare)		9.52		12.70		15.88		
Drain hose diameter (I.D./O.D.)			25/32						

Note : Specifications are based on the following conditions.

Cooling : Indoor temperature of 27°CDB / 19°CWB, and outdoor temperature of 35°CDB / 24°CWB.  
Heating : Indoor temperature of 20°CDB / (15°CWB), and outdoor temperature of 7°CDB / 6°CWB.  
Pipe length : 7.5 m; Height difference between outdoor unit and indoor unit : 0 m. Voltage : 230 [V].

Slim Duct / Slim Concealed Floor



Model name			ARXD04GALH	ARXD07GALH	ARXD09GALH	ARXD12GALH	ARXD14GALH	ARXD18GALH	ARXD24GALH
Power source			Single-phase, ~230V, 50Hz						
Capacity	Cooling	kW	1.1	2.2	2.8	3.6	4.5	5.6	7.1
	Heating		1.3	2.8	3.2	4.0	5.0	6.3	8.0
Input power		W	40	44	50	54	92	83	122
Airflow rate	High	m³/h	510	550	600	600	800	940	1,330
	Med		400/470* <sup>1</sup>	490	550	510	710	840	1,240
	Low		320/440* <sup>1</sup>	440	480	450	610	750	1,100
Static pressure range		Pa	0 to 90	0 to 90	0 to 90	0 to 90	0 to 90	0 to 90	0 to 50
Standard static pressure			25	25	25	25	25	25	25
Sound pressure level	High	dB(A)	26	28	29	30	34	34	35
	Med		21/25* <sup>1</sup>	25	26	27	32	32	32
	Low		20/22* <sup>1</sup>	22	24	24	28	28	29
Net Dimensions (H × W × D)		mm	198 × 700 × 620				198 × 900 × 620	198 × 1,100 × 620	
Weight		kg(lbs)	17 (37)			18 (40)		22 (48)	26 (57)
Connection pipe diameter	Liquid (Flare)	mm	6.35				9.52		15.88
	Gas (Flare)		12.70						
Drain hose diameter (I.D./O.D.)			25/32						

Note : Specifications are based on the following conditions.

Cooling : Indoor temperature of 27°CDB / 19°CWB, and outdoor temperature of 35°CDB / 24°CWB.  
Heating : Indoor temperature of 20°CDB / (15°CWB), and outdoor temperature of 7°CDB / 6°CWB.  
Pipe length : 7.5 m; Height difference between outdoor unit and indoor unit : 0 m. Voltage : 230 [V].  
\*1: This value is under cooling operation.

Medium Static Pressure Duct



Model name			ARXA24GBLH	ARXA30GBLH	ARXA36GBLH	ARXA45GBLH
Power source			Single-phase, ~230V, 50Hz			
Capacity	Cooling	kW	7.1	9.0	11.2	12.5
	Heating		8.0	10.0	12.5	14.0
Input power		W	94	108	194	240
Airflow rate	High	m³/h	1,280	1,410	1,840	1,970
	Med		990	1,280	1,600	1,860
	Low		840	1,150	1,470	1,640
Static pressure range		Pa	0 to 150	0 to 150	0 to 150	0 to 150
Standard static pressure			40	50	50	60
Sound pressure level	High	dB(A)	31	34	37	41
	Med		27	32	35	38
	Low		23	29	33	36
Net Dimensions (H × W × D)		mm	270 × 1,135 × 700			
Weight		kg(lbs)	36 (79)	40 (88)		
Connection pipe diameter	Liquid (Flare)	mm	9.52		19.05	
	Gas (Flare)		15.88			
Drain hose diameter (I.D./O.D.)				25/32		

Note : Specifications are based on the following conditions.

Cooling : Indoor temperature of 27°CDB / 19°CWB, and outdoor temperature of 35°CDB / 24°CWB.  
Heating : Indoor temperature of 20°CDB / (15°CWB), and outdoor temperature of 7°CDB / 6°CWB.  
Pipe length : 7.5 m; Height difference between outdoor unit and indoor unit : 0 m. Voltage : 230 [V].

High Static Pressure Duct



Model name			ARXC36GBTH	ARXC45GATH	ARXC60GATH*	ARXC72GBTH	ARXC90GBTH	ARXC96GATH
Power source			Single-phase, ~230V, 50Hz					
Capacity	Cooling	kW	11.2	12.5	18.0	22.4	25.0	28.0
	Heating		12.5	14.0	20.0	25.0	28.0	31.5
Input power		W	207	715	730	681	819	838
Airflow rate	High	m³/h	1,990	3,500	3,500	3,900	4,300	4,850
	Med		1,680	3,000	3,000	3,300	4,000	4,250
	Low		1,330	2,460	2,460	3,000	3,500	3,600
Static pressure range		Pa	0 to 200	100 to 250	100 to 250	0 to 300	0 to 300	0 to 300
Standard static pressure			100	100	100	150	150	150
Sound pressure level	High	dB(A)	42	49	49	47	48	48
	Med		36	45	45	43	46	45
	Low		32	42	42	40	44	42
Net Dimensions (H × W × D)		mm	400 × 1,050 × 500			450 × 1,587 × 700		550 × 1,587 × 700
Weight		kg(lbs)	40 (88)	46 (101)		84 (185)		105 (231)
Connection pipe diameter	Liquid	mm	9.52 (Flare)			12.70 (Brazing)		
	Gas		19.05 (Flare)			22.22 (Brazing)		
Drain hose diameter (I.D./O.D.)			25/32					

Note : Specifications are based on the following conditions.

Cooling : Indoor temperature of 27°CDB / 19°CWB, and outdoor temperature of 35°CDB / 24°CWB.  
Heating : Indoor temperature of 20°CDB / (15°CWB), and outdoor temperature of 7°CDB / 6°CWB.  
Pipe length : 7.5 m; Height difference between outdoor unit and indoor unit : 0 m. Voltage : 230 [V].

Large Airflow Duct



Model name			ARXN18GATH	ARXN24GATH	ARXN30GATH	ARXN34GATH	ARXN36GATH	ARXN45GATH
Power source			Single-phase, ~230V, 50Hz					
Capacity	Cooling	kW	5.6	7.1	9.0	10.0	11.2	12.5
	Heating		6.3	8.0	10.0	11.2	12.5	14.0
Input power		W	154	205	306	432	572	572
Airflow rate	High	m³/h	2,280	2,640	3,200	3,720	4,120	4,120
	Med		—	—	—	—	—	—
	Low		—	—	—	—	—	—
Static pressure range		Pa	50 to 100	50 to 150	50 to 250	50 to 250	50 to 300	50 to 300
Standard static pressure			50	50	50	50	60	60
Sound pressure level	High	dB(A)	35	37	40	43	45	45
	Med		—	—	—	—	—	—
	Low		—	—	—	—	—	—
Net Dimensions (H × W × D)		mm	450 × 1,587 × 700					
Weight		kg(lbs)	84 (185)					
Connection	Liquid	mm	9.52 (Flare)					
	Gas		15.88 (Flare)			19.05 (Flare)		
Drain hose diameter (I.D./O.D.)				25/32				

Note : Specifications are based on the following conditions.

Large Airflow Duct can be connected to V-III series and VR-II series.

Cooling : Indoor temperature of 27°CDB / 19°CWB, and outdoor temperature of 35°CDB / 24°CWB.  
Heating : Indoor temperature of 20°CDB / (15°CWB), and outdoor temperature of 7°CDB / 6°CWB.  
Pipe length : 7.5 m; Height difference between outdoor unit and indoor unit : 0 m. Voltage : 230 [V].

Large Airflow Duct (Compact type)



Model name			ARXN018GLBH		ARXN024GTBH		ARXN030GTBH	
Power source			Single - phase, ~230V, 50Hz					
Capacity	Cooling	kW	5.6	7.1			9.0	
	Heating		6.3	8.0			10.0	
Input power			173	180			273	
Airflow rate	High	m³/h	1,720	2,100			2,700	
	Me-Hi		-	2,050			2,390	
	Med		1,470	1,860			2,080	
	Me-Lo		-	1,660			1,770	
	Low		1,360	1,470			1,470	
	Quiet		-	1,260			1,260	
Static pressure range			0 to 80	0 to 100			0 to 100	
Standard static pressure			50	50			50	
Sound pressure level	High	dB(A)	36	37			41	
	Me-Hi		-	35			38	
	Med		33	33			34	
	Me-Lo		-	31			31	
	Low		30	28			28	
	Quiet		-	26			26	
Net Dimensions (H × W × D)			mm	270 × 1,135 × 700		300 × 1,400 × 700		
Weight			kg(lbs)	40 (88)		48 (106)		
Connection	Liquid (Flare)	mm	6.35		9.52			
	Gas (Flare)		12.70		15.88			
Drain hose diameter (I.D./O.D.)			25 / 32					

Note : Specifications are based on the following conditions.

Cooling : Indoor temperature of 27°CDB / 19°CWB, and outdoor temperature of 35°CDB / 24°CWB.

VRF Indoor Units Specifications

Compact Floor



Model name			AGYA004GCAH	AGYA007GCAH	AGYA009GCAH	AGYA012GCAH	AGYA014GCAH	AGYE004GCAH	AGYE007GCAH	AGYE009GCAH	AGYE012GCAH	AGYE014GCAH	
Power source			Single-phase, ~230V, 50Hz						Single-phase, ~230V, 50Hz				
Capacity	Cooling	kW	1.1	2.2	2.8	3.6	4.0	1.1	2.2	2.8	3.6	4.0	
	Heating		1.3	2.8	3.2	4.0	4.5	1.3	2.8	3.2	4.0	4.5	
Input power			W										
Airflow rate	High	m³/h	12 / 14	16	17	22	29	12 / 14	16	17	22	29	
	Med-H		380 / 430	470	500	590	670	380 / 430	470	500	590	670	
	Med		350	420	450	520	590	350	420	450	520	590	
	Med-L		320	390	400	470	520	320	390	400	470	520	
	Low		310	360	360	420	450	310	360	360	420	450	
	Quiet		280	330	330	390	390	280	330	330	390	390	
Sound pressure level	High	dB(A)	210	270	270	340	340	210	270	270	340	340	
	Med-H		35 / 36	37	38	42	46	35 / 36	37	38	42	46	
	Med		33	35	36	39	42	33	35	36	39	42	
	Med-L		31	33	34	37	39	31	33	34	37	39	
	Low		30	31	31	35	36	30	31	31	35	36	
	Quiet		28	29	29	33	33	28	29	29	33	33	
Net Dimensions (H × W × D)			mm	600 x 740 x 200						600 x 740 x 200			
Weight			kg(lbs)	15 (33)	15 (33)	15 (33)	15 (33)	15 (33)	14.5 (32)	14.5 (32)	14.5 (32)	14.5 (32)	
Connection pipe diameter	Liquid (Flare)	mm	6.35				6.35	6.35				6.35	
	Gas (Flare)		9.52				12.70	9.52				12.70	
Drain hose diameter (I.D./O.D.)			13.8/15.8to16.7						13.8/15.8to16.7				
EV Kit (option)									UTR-EV09XB		UTR-EV14XB		

Note : Specifications are based on the following conditions.

Cooling : Indoor temperature of 27°CDB / 19°CWB, and outdoor temperature of 35°CDB / 24°CWB.  
Heating : Indoor temperature of 20°CDB / (15°CWB), and outdoor temperature of 7°CDB / 6°CWB.  
Pipe length : 7.5 m; Height difference between outdoor unit and indoor unit : 0 m.  
Voltage : 230 [V].  
When AGY\*004GCAH, AGY\*007GCAH, and AGY\*009GCAH are connected to the outdoor unit other than J-IIIIL, gas pipe diameter should be Ø12.70.

Floor/Ceiling



Model name			ABYA12GATH	ABYA14GATH	ABYA18GATH	ABYA24GATH
Power source			Single-phase, ~230V, 50Hz			
Capacity	Cooling	kW	3.6	4.5	5.6	7.1
	Heating		4.0	5.0	6.3	8.0
Input power		W	30	42	74	99
Airflow rate	High	m³/h	660	780	1,000	1,000
	Med		570	640	720	820
	Low		490	550	580	680
Sound pressure level	High	dB(A)	36	40	46	47
	Med		32	36	39	42
	Low		28	34	35	37
Net Dimensions (H × W × D)		mm	199 × 990 × 655			
Weight		kg(lbs)	25 (55)	26 (57)	26 (57)	27 (59)
Connection pipe diameter	Liquid (Flare)	mm	6.35			9.52
	Gas (Flare)		12.70			15.88
Drain hose diameter (I.D./O.D.)			25/32			

Note : Specifications are based on the following conditions.

Cooling : Indoor temperature of 27°CDB / 19°CWB, and outdoor temperature of 35°CDB / 24°CWB.  
Heating : Indoor temperature of 20°CDB / (15°CWB), and outdoor temperature of 7°CDB / 6°CWB.  
Pipe length : 7.5 m; Height difference between outdoor unit and indoor unit : 0 m.  
Voltage : 230 [V].

Ceiling



Model name			ABYA30GATH	ABYA36GATH	ABYA45GATH	ABYA54GATH
Power source			Single-phase, ~230V, 50Hz			
Capacity	Cooling	kW	9.0	11.2	12.5	14.0
	Heating		10.0	12.5	14.0	16.0
Input power		W	66	85	131	180
Airflow rate	High	m³/h	1,630	1,690	2,010	2,270
	Med		1,370	1,400	1,600	1,780
	Low		1,140	1,170	1,230	1,280
Sound pressure level	High	dB(A)	42	45	48	51
	Med		38	38	42	45
	Low		33	34	35	36
Net Dimensions (H × W × D)		mm	240 × 1,660 × 700			
Weight		kg(lbs)	46 (101)		48 (106)	
Connection pipe diameter	Liquid (Flare)	mm	9.52		9.52	
	Gas (Flare)		15.88		19.05	
Drain hose diameter (I.D./O.D.)			25/32			

Note : Specifications are based on the following conditions.

Cooling : Indoor temperature of 27°CDB / 19°CWB, and outdoor temperature of 35°CDB / 24°CWB.  
Heating : Indoor temperature of 20°CDB / (15°CWB), and outdoor temperature of 7°CDB / 6°CWB.  
Pipe length : 7.5 m; Height difference between outdoor unit and indoor unit : 0 m.  
Voltage : 230 [V].

Wall Mounted



Model name			ASYA004GTAH	ASYA007GTAH	ASYA009GTAH	ASYE004GTAH	ASYE007GTAH	ASYE009GTAH
Power source			Single-phase, ~230V, 50Hz			Single-phase, ~230V, 50Hz		
Capacity	Cooling	kW	1.1	2.2	2.8	1.1	2.2	2.8
	Heating		1.3	2.8	3.2	1.3	2.8	3.2
Input power		W	13	19	34	13	19	34
Airflow rate	High	m³/h	430	550	720	430	550	720
	Med-H		420	460	570	420	460	570
	Med		390	420	500	390	420	500
	Med-L		380	390	410	380	390	410
	Low		360	360	360	360	360	360
	Quiet		330	330	330	330	330	330
Sound pressure level	High	dB(A)	31	35	43	31	35	43
	Med-H		30	32	38	30	32	38
	Med		28	30	34	28	30	34
	Med-L		26	27	29	26	27	29
	Low		24	24	24	24	24	24
	Quiet		22	22	22	22	22	22
Net Dimensions (H × W × D)		mm	262 x 820 x 206			262 x 820 x 206		
Weight		kg(lbs)	7.5 (17)	7.5 (17)	7.5 (17)	7 (15)	7 (15)	7 (15)
Connection pipe diameter	Liquid (Flare)	mm	6.35			6.35		
	Gas (Flare)		9.52			9.52		
Drain hose diameter (I.D./O.D.)			13.8/15.8 to16.7			13.8/15.8 to16.7		
EV Kit (option)			—			UTR-EV09XB		

Note : Specifications are based on the following conditions.

Cooling : Indoor temperature of 27°CDB / 19°CWB, and outdoor temperature of 35°CDB / 24°CWB.  
Heating : Indoor temperature of 20°CDB / (15°CWB), and outdoor temperature of 7°CDB / 6°CWB.  
Pipe length : 7.5 m; Height difference between outdoor unit and indoor unit : 0 m.  
Voltage : 230 [V].  
When ASY\*004GTAH, ASY\*007GTAH, ASY\*009GTAH are connected to the outdoor unit other than J-IIIIL, gas pipe diameter should be Ø12.70.

Wall Mounted



Model name			ASYA012GCAH		ASYA014GCAH		ASYE012GCAH		ASYE014GCAH	
Power source			Single-phase, ~230V, 50Hz		Single-phase, ~230V, 50Hz		Single-phase, ~230V, 50Hz		Single-phase, ~230V, 50Hz	
Capacity	Cooling	kW	3.6		4.0		3.6		4.0	
	Heating		4.0		4.5		4.0		4.5	
Input power		W	25		36		25		36	
Airflow rate	High	m³/h	690		800		690		800	
	Med-H		610		740		610		740	
	Med		560		680		560		680	
	Med-L		530		610		530		610	
	Low		470		550		470		550	
	Quiet		330		330		330		330	
Sound pressure level	High	dB(A)	40		44		40		44	
	Med-H		37		42		37		42	
	Med		35		40		35		40	
	Med-L		33		37		33		37	
	Low		30		34		30		34	
	Quiet		24		24		24		24	
Net Dimensions (H × W × D)		mm	268 x 840 x 203		268 x 840 x 203		268 x 840 x 203		268 x 840 x 203	
Weight		kg(lbs)	8.5 (19)		8.5 (19)		8.5 (19)		8.5 (19)	
Connection pipe diameter	Liquid (Flare)	mm	6.35		6.35		6.35		6.35	
	Gas (Flare)		9.52		9.52		9.52		9.52	
Drain hose diameter (I.D./O.D.)			13.8/15.8 to16.7		13.8/15.8 to16.7		13.8/15.8 to16.7		13.8/15.8 to16.7	
EV Kit (option)			—		—		UTR-EV14XB		UTR-EV14XB	

Note : Specifications are based on the following conditions.

Cooling : Indoor temperature of 27°CDB / 19°CWB, and outdoor temperature of 35°CDB / 24°CWB.  
Heating : Indoor temperature of 20°CDB / (15°CWB), and outdoor temperature of 7°CDB / 6°CWB.  
Pipe length : 7.5 m; Height difference between outdoor unit and indoor unit : 0 m.  
Voltage : 230 [V].

Wall Mounted



Model name			ASYA18GBCH		ASYA24GBCH		ASYA030GTAH		ASYA034GTAH	
Power source			Single-phase, ~230V, 50Hz				Single-phase, ~230V, 50Hz			
Capacity	Cooling	kW	5.6		7.1		9.0		10.0	
	Heating		6.3		8.0		10.0		11.2	
Input power		W	32		60		74		103	
Airflow rate	High	m³/h	840		1,100		1,440		1,620 / 1,520	
	Med-H		-		-		1,200		1,300	
	Med		770		910		1,050		1,120	
	Med-L		-		-		940		980	
	Low		690		730		890		890	
	Quiet		-		-		700		700	
Sound pressure level	High	dB(A)	41		48		53		55 / 54	
	Med-H		-		-		49		51	
	Med		39		43		45		47	
	Med-L		-		-		42		43	
	Low		35		35		39		39	
	Quiet		-		-		33		33	
Net Dimensions (H × W × D)		mm	320 x 998 x 238				340 x 1,150 x 280			
Weight		kg(lbs)	15 (33)		15 (33)		18 (40)		18 (40)	
Connection pipe diameter	Liquid (Flare)	mm	6.35		9.52		9.52			
	Gas (Flare)		12.70		15.88		15.88			
Drain hose diameter (I.D./O.D.)			12/16				13.8/15.8 to16.7			